Manitoba
Agriculture

MANITOBA AGRICULTURE YEARBOOK 1986

AGDEX 850
ISSN0084-3865

Canadian Cataloguing in Publication Data
338.1097127021
Manitoba agriculture yearbook, 1986.

Annual.
Chiefly tables.
Continues: Yearbook Manitoba agriculture.
ISSN 0084-3865.

1. Agriculture – Manitoba – Statistics.
2. Agriculture – Economic aspects – Manitoba – Statistics. I. Manitoba. Manitoba Agriculture.
I. Title: Yearbook Manitoba agriculture.

FOREWORD

This publication is the twenty-fourth in the Yearbook series initiated in 1963. The same format, which includes recent and historical data from 1950, has been continued for the convenience of users. In addition, this issue contains estimates and data converted to the International Standards. The metric conversion factors used are shown in the Sources and Methods Section. Minor changes are also made annually whenever new or more detailed information becomes available. Statistics published in this issue of the Yearbook are based on available information as of July 31, 1987. Any revisions to the 1986 data published will be incorporated in the 1987 issue of this publication. Revisions in previous years' estimates are made as more recent and more accurate data are received.

The census division and crop district boundaries were changed in 1976, and the first small area estimates using new boundaries were made in 1977. These estimates by crop districts are made annually for: a) seeded area and production of wheat, oats, barley, flaxseed, canola (rapeseed) and hay; and b) cattle and hog numbers on farms, as of July 1.

Cooperation between Statistics Canada and Manitoba Agriculture is maintained to secure the best possible agricultural statistics. The assistance of many contributors of information received from other government departments, farm businesses, farmer organizations and farmers is acknowledged. Sincere appreciation is extended to the secretarial staff of the Economics Branch for typing, collating and proofing the manuscript.

The development, compilation and assembly of all material was done by Errol Lewis, Sr. Statistician of the Economics Branch, Manitoba Agriculture.

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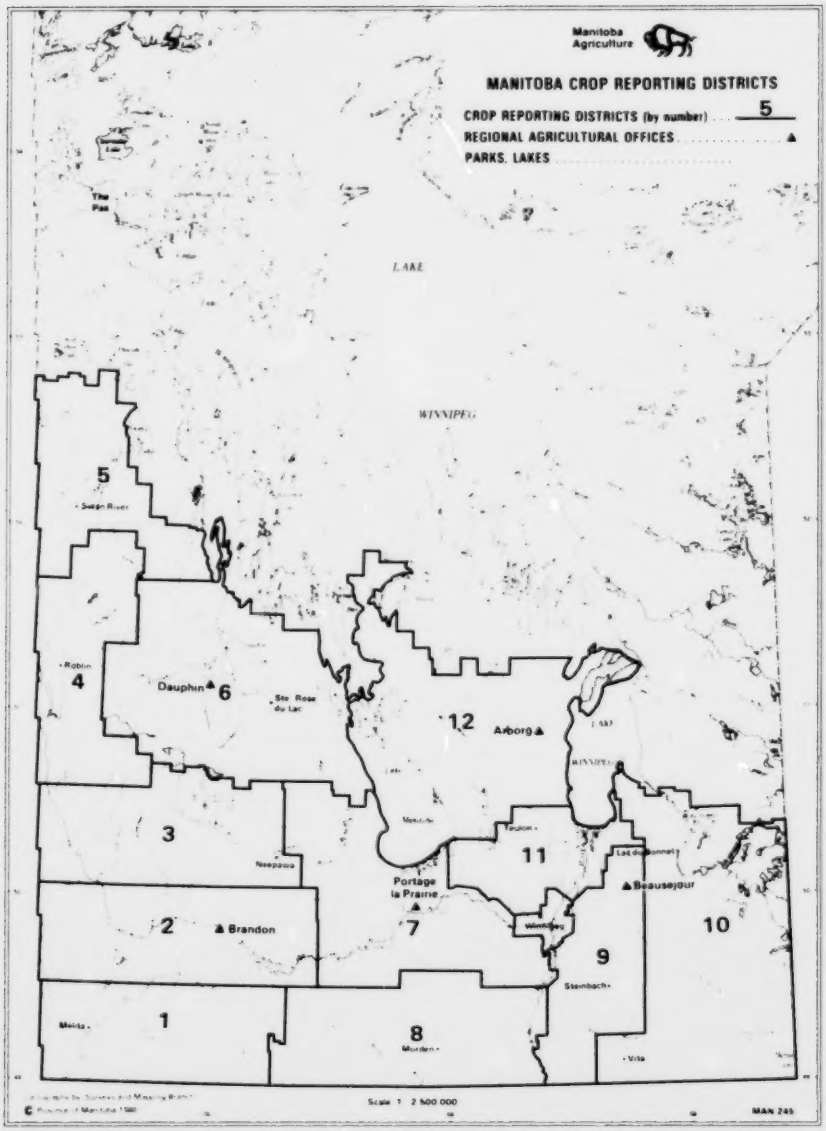
Manitoba Agriculture
MANITOBA CROP REPORTING DISTRICTS
CROP REPORTING DISTRICTS (by number) 5
REGIONAL AGRICULTURAL OFFICES ▲
PARKS, LAKES
LAKE
WINNIPEG
5
Swan River
4
Robin
Dauphin
6
Ste. Rose du Lac
12
Arborg
3
Neepawa
11
Portage la Prairie
Beausejour
2
Brandon
7
9
10
Steinbach
1
Morden
8
Scale 1 : 2 500 000
MAN 245

TABLE 1 **Manitoba Agriculture in Perspective — Relationship to Canadian Agriculture**

	Canada Quantity	Manitoba Quantity	Percent of Canada
Crop Production — 1986	- thousand tonnes -		
Wheat (all)	31 377	4 477	14.3
Oats	3 251	463	14.2
Barley	14 569	1 851	12.7
Flaxseed	1 026	572	55.8
Canola (Rapeseed)	3 809	578	15.2
	- thousand bushels -		
Wheat (all)	1,152,948	164,500	14.3
Oats	210,732	30,000	14.2
Barley	669,101	85,000	12.7
Flaxseed	40,400	22,500	55.8
Canola (Rapeseed)	167,940	25,500	15.2
Livestock and Poultry Production, 1986	- 000 -		
Cattle and Calves, June 3	11,997,608	1,114,720	9.3
Sheep and Lambs, June 3	700,935	24,693	3.5
Hogs, June 3	9,756,569	1,071,195	11.0
Egg Production, June 3 (doz.)[1]	443,132	49,251	11.1
Milk and Cream Sales (kl)	7 283 222	291 317	4.0
Livestock Slaughterings, 1986	Number		
Slaughter Cattle and Calves	3,724,257	380,900	10.2
Hogs (Slaughterings)	13,835,364	1,637,686	11.8
Sheep and Lambs	230,728	22,200	9.6
Farm Income, 1986	- thousand dollars -		
Farm Cash Income	20,379,600	2,073,600	10.2
Cash and Overhead Expenses	15,778,800	1,587,900	10.1
Farm Realized Net Income	4,866,100	503,100	10.3
Resources (1986 Census Farms)			
Land in Farms (hectares)	67 825 756	7 740 226	11.4
Improved Land (hectares)	45 009 991	5 403 077	11.7
Land in Farms (acres)	167,601,113	19,126,517	11.4
Improved Land (acres)	113,693,178	13,351,296	11.7
Farm Numbers	293,089	27,336	9.3
Farm Population	930,730	86,505	9.3
Tractors on Farms	728,074	73,945	10.2
	- thousand dollars -		
Capital Investment, 1986	109,675,710	9,554,604	8.7
Land and Buildings	80,088,004	6,584,281	8.2
Machinery and Equipment	20,765,702	2,231,162	10.7
Livestock and Poultry	8,822,005	739,162	8.4

[1]This value reported in the 1986 Census output is for 1985. The number for 1986 is presented on page 8.

1986 VALUE OF FARM PRODUCTION

Manitoba total value of farm production in 1986 was estimated at $2,068,700,000, a decline of 15.1 per cent from 1985. Farmers received lower prices for major crops and this decrease in price was sufficient to counteract record yields for many crops and a larger seeded area for some crops. Increases in dairy, poultry and hog returns and increased marketings of both cattle and hogs resulted in an increase in the overall value of livestock production. The estimated value of livestock production in 1986 was $755.5 million, 10.3 per cent higher than 1985.

TABLE 2 Gross Value of Agricultural Production (million dollars)

	1984	1985[R]	1986[P]
Crops	1,620.0	1,722.1	1,276.4
Livestock and Products	661.4	685.0	755.5
Honey & Wax[1]	9.1	13.6	13.1
Other (Fur, P.M.U., Forest, etc.)	11.3	13.7	23.7
Total	2,301.8[R]	2,435.0	2,068.7

[1] Includes values estimated for alfalfa leafcutter bees for 1985 and 1986.
R = Revised. P = Preliminary.

TABLE 3A 1986 Summary of Crop Production

Crop	Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Per Tonne $	Farm Value Total ($000)
Wheat	2 003.0	2 240	4 477.0	105.00	470,085
Oats	182.0	2 540	463.0	75.00	34,725
Barley	627.0	2 950	1 851.0	92.00	170,292
Flaxseed	417.0	1 370	572.0	175.00	100,100
Canola (Rapeseed)	405.0	1 430	578.0	205.00	118,490
Rye	30.9	1 970	61.0	65.00	3,965
Mixed Grains	32.4	2 530	82.0	77.07	6,320
Grain Corn	13.8	4 420	61.0	117.44	7,164
Field Peas	58.7	1 760	103.4	198.00	20,473
Buckwheat	21.9	922	20.2	247.50	5,000
Sunflowerseed	23.1	2 004	46.3	215.98	10,000
Mustard Seed	14.2	1 915	27.2	285.71	7,771
Lentils	17.8	1 708	30.4	440.79	13,400
Forage Seeds	—	—	—	—	8,184
Other Special Crops	—	—	—	—	16,000
All Tame Hay	587.0	5 250	3 084.0	61.00	188,124
Silage Corn	12.9	21 085	272.0	15.90	4,325
Sugar Beets	11.3	30 973	350.0	26.83	9,400
Horticulture					
Potatoes	18.8	19 294	362.7	92.58	33,577
Vegetables	1.6	—	—	—	10,150
Fruits	—	—	—	—	2,900
Greenhouse and Mushrooms	—	—	—	—	14,260
Nursery Products and Sod	—	—	—	—	9,350
Miscellaneous	—	—	—	—	4,800
Others Crops	—	—	—	—	7,500
TOTAL	—	—	—	—	1,276,355

SOURCE: Statistics Canada; Manitoba Agriculture.

TABLE 3B 1986 Summary of Crop Production

Crop	Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Per Bushel $	Farm Value Total ($000)
Wheat	4,950.0	33.2	164,500	2.86	470,085
Oats	450.0	66.7	30,000	1.16	34,725
Barley	1,550.0	54.8	85,000	2.00	170,292
Flaxseed	1,030.0	21.8	22,500	4.45	100,100
Canola (Rapeseed)	1,000.0	25.5	25,500	5.20	118,490
Rye	76.6	31.3	2,400	1.72	3,965
Mixed Grains	80.0	68.8	5,500	1.15	6,320
Grain Corn	34.0	70.6	2,400	2.97	7,164
Field Peas	145.0	26.2	3,800	5.39	20,473
Buckwheat	54.0	17.2	930	5.38	5,000
		(pounds)	(000 pounds)	(per pound)	
Sunflowerseed	57.0	1,790.0	102,000	0.10	10,000
Mustard Seed	35.0	1,714.0	60,000	0.13	7,771
Lentils	44.0	1,523.0	67,000	0.20	13,400
Forage Seeds	—	—	—	—	8,184
Other Special Crops	—	—	—	—	16,000
		(tons)	(000 tons)	(per ton)	
All Tame Hay	1,450.0	2.34	3,400	55.33	188,124
Silage Corn	32.0	9.38	300	14.44	4,325
Sugar Beets	28.0	13.79	386	24.35	9,400
Horticulture					
Potatoes	46.4	8.62	399.2	84.11	33,577
Vegetables	3.9	—	—	—	10,150
Fruits	—	—	—	—	2,900
Greenhouse and Mushrooms	—	—	—	—	14,260
Nursery Products and Sod	—	—	—	—	9,350
Miscellaneous	—	—	—	—	4,800
Others Crops	—	—	—	—	7,500
TOTAL	—	—	—	—	1,276,355

SOURCE: Statistics Canada; Manitoba Agriculture.

TABLE 4 1986 Summary of Livestock Production

	Number (000)	Value Per Unit $	Total Value ($000)
CATTLE:			
Commercial Marketings (including exports)	408.7		
Inventory Change	0.0		
Local Slaughterings	10.5		
Minus Inshipments	25.1		
	394.1	684.00	269,564
HOGS:			
Commercial Marketings (including exports)	1,743.4		
Inventory Change	41.0		
Local Slaughterings	20.8		
	1,805.2	141.00	254,533
SHEEP AND LAMBS:			
Commercial Marketings	22.2	92.07	2,044
Wool — kilograms	38.6	1.06/kg	41
— pounds	85.2	0.48/lb	
DAIRY PRODUCTS:			
Milk Equivalent — kilolitres	291 317	366.55/kl	106,782
Supplementary Payments	—	—	10,628
POULTRY:			
Eggs			50,471
Meat			61,398
TOTAL LIVESTOCK PRODUCTION			755,461

SOURCE: Statistics Canada; Agriculture Canada; Manitoba Agriculture.

TABLE 5 **Farm Input Price Indexes (1981 = 100)**

	1984	1985	1986
Total Farm Input	106.2	107.0	108.8
Buildings and Fencing	114.2	115.7	123.2
Machinery and Motor Vehicles	117.7	118.8	117.2
Crop Production	98.7	101.1	102.1
Animal Production	102.3	101.8	108.7
Supplies and Services	120.0	122.4	122.6
Hired Farm Labour	114.7	118.4	121.6
Property Taxes	122.1	139.1	143.7
Interest	85.8	82.6	79.2
Farm Rent	97.0	99.5	100.7

SOURCE: Statistics Canada, Cat. No. 62-004.

TABLE 6 **Farm Product Price Indexes (1981 = 100)**

	1984	1985	1986
Total Index	101.9	94.3	85.0
Total Crops	98.6	89.3	69.5
Cereals	91.7	83.5	65.0
Oilseeds	124.6	108.1	78.3
All Other Crops	109.1	105.0	95.6
Total Livestock and Produce	107.5	102.8	111.5
Cattle and Calves	106.9	101.8	106.9
Hogs	103.9	97.3	123.3
Poultry	111.5	104.8	103.2
Eggs	105.8	103.1	100.1
Dairy	116.0	115.3	118.8
Other Livestock and Produce	94.7	87.4	82.8

SOURCE: Statistics Canada, Cat. No. 62-003.

TABLE 7 Manitoba Farm Cash Receipts, 1984-1986

	1984[R]	1985[R]	1986[P]
	thousands of dollars		
Wheat	563,475	448,314	473,545
Wheat, C.W.B. Payments[1]	54,590	69,245	61,451
Oats	8,011	7,504	8,710
Oats, C.W.B. Payments[1]	395	191	434
Barley	129,399	135,091	136,597
Barley, C.W.B. Payments[1]	5,488	18,543	9,423
Western Grain Stabilization Payments	36,127	87,776	150,797
Crop Insurance Payments	37,646	31,329	40,598
C.W.B. Net Cash Advances	57,518	70,921	122,177
C.W.B. Cash Advance Repayments	-70,739	-50,419	-86,475
Deferred Grain Receipts	-99,056	-79,347	-62,435
Liquidation of Deferred Grain Receipts	99,543	99,056	79,347
Rye	14,745	10,849	6,255
Flaxseed	96,942	122,413	82,533
Canola (Rapeseed)	138,996	138,236	132,457
Corn	23,669	18,247	7,730
Sugar Beets	11,682	7,673	8,109
Potatoes	29,045	35,508	36,291
Vegetables	13,835	12,065	12,909
Floriculture and Nursery	7,294	8,860	9,361
Mustard Seed	4,080	5,796	6,120
Sunflowerseed	27,710	15,028	7,803
Net Nongrain Cash Advances	3,796	-7,980	1,674
Clover and Grass Seed	5,902	6,578	6,578
Hay and Clover	400	387	447
Dry Peas	15,759	18,084	18,296
Miscellaneous Crops	12,163	12,299	12,707
TOTAL CROPS	1,228,415	1,242,247	1,283,439
	thousands of dollars		
Cattle	249,064	275,947	265,457
Calves	27,642	24,790	28,906
Hogs	185,662	194,512	242,513
Sheep and Lambs	1,552	2,084	2,044
Dairy Products	104,926	102,370	106,782
Poultry	47,205	48,828	49,794
Eggs	48,779	48,354	47,393
Wool	70	49	51
Honey	9,347	10,283	10,673
Fur Farming	1,771	1,870	1,799
Miscellaneous Livestock	6,760	7,090	7,553
TOTAL LIVESTOCK AND PRODUCTS	682,778	716,177	762,965
Forest Products	1,188	1,196	1,322
Provincial Income Stabilization Program[2]	14,699	17,911	6,554
Dairy Supplementary Payments	11,246	10,935	10,628
Deficiency Payments[3]	9,354	2,811	2,904
CASH RECEIPTS FROM FARMING OPERATIONS	1,947,680	1,991,277	2,067,812
Other Supplementary Payments	3,047	4,033	5,747
TOTAL CASH RECEIPTS	1,950,727	1,995,310	2,073,559

[1] Participation payments made by the C.W.B. to producers for crops delivered in previous years.
[2] Payments made to producers by the Manitoba Government under its support program. These payments are net — estimates of producer premiums have been deducted.
[3] Payments made under the Agricultural Stabilization Act and under the Health of Animals Program.
SOURCE: Statistics Canada, Cat. No. 21-003; Agriculture Canada; Manitoba Agriculture.

TABLE 8 Manitoba Farm Expenditures, 1984-1986

	1984[R]	1985[R]	1986[P]
	thousands of dollars		
Taxes	35,112	36,616	38,491
Rent	94,036	92,847	89,938
Cash	67,678	67,543	65,027
Share	26,358	25,304	24,911
Wages	75,745	78,557	87,580
Cash	74,400	77,153	86,095
Room & Board	1,345	1,404	1,485
Interest	167,241	160,585	155,863
Total Machinery	290,813	290,069	270,343
Fuel	165,657	158,460	131,890
Repairs and Expenses	125,156	131,609	138,453
Fertilizer and Lime	211,073	218,748	202,779
Pesticides	110,034	115,301	110,343
Seed	51,483	48,267	46,336
Twine, Wire and Containers	5,407	5,562	5,912
Feed	134,875	127,596	108,584
Feeder Cattle and Weanling Pigs	13,852	10,745	12,248
Breed Association Fees	224	233	242
A.I. and Veterinary Expenses	10,253	8,985	9,174
Repairs to Buildings	23,650	23,632	25,523
Electricity and Telephone	31,173	33,192	33,820
Electricity	24,519	26,120	26,642
Telephone	6,654	7,072	7,178
Insurance	19,714	37,066	36,107
Fencing	4,354	4,958	4,784
Custom Work	8,030	23,936	24,367
Heating Fuel	9,159	14,959	15,049
Stabilization	8,882	6,825	6,468
Other	34,751	35,839	34,086
TOTAL OPERATING EXPENSES	1,339,861	1,384,986	1,318,037
Depreciation	276,941	261,637	269,889
Buildings	18,545	17,617	16,384
Machinery	258,396	244,020	253,505
TOTAL OPERATING EXPENSES AND DEPRECIATION CHARGES	1,616,802	1,646,623	1,587,926

SOURCE: Statistics Canada; Agriculture Canada; Manitoba Agriculture.

Cash Income

Farm cash income includes proceeds from the sale of agricultural products sold off farm through regular market channels. All deficiency, supplementary and final Canadian Wheat Board payments are included. In 1986 cash income was estimated at $2.074 billion, 6.3 per cent and 3.9 per cent over 1984 and 1985 (in nominal dollars) respectively.

Farm Net Income

Realized net farm income is determined by adding total cash receipts, income-in-kind and supplementary payments and subtracting total expenses and depreciation charges. In 1986, realized net farm income amounted to $503.1 million, 37.7 per cent more than 1985. A decrease of 3.6 per cent in farm expenditures was also a factor. Realized net farm income per farm in 1986 was estimated at $18,405, 37.7 per cent more than the 1985 value of $13,363*.

*Based on 1986 Census (27,336 farms).

TABLE 9 Manitoba Farm Net Income Summary, 1984-1986

	1984[R]	1985[R]	1986[P]
	(thousand dollars)		
Farm Cash Receipts	1,947,680	1,991,277	2,067,812
Income-In-Kind	19,283	16,597	17,501
Supplementary Payments	3,047	4,033	5,747
Realized Gross Income	1,970,010	2,011,907	2,091,060
Operating & Depreciation Costs	1,616,802	1,646,623	1,587,926
Realized Net Income	353,208	365,284	503,134
Value of Inventory Change	14,453	291,600	-37,588
TOTAL NET INCOME	367,661	656,884	465,546

SOURCE: Statistics Canada, Agriculture Canada.

TABLE 10 Farm Capital Investment in Manitoba, 1984-1986

	1984	1985	1986*
	(thousands of dollars)		
Land and Buildings	6,423,310	6,102,145	6,584,281
Machinery and Equipment	2,094,680	1,984,211	2,231,162
Livestock and Poultry	733,065	687,864	739,162
TOTAL	9,251,055	8,774,220	9,554,605

*Based on 1986 Census of Agriculture.
SOURCE: Statistics Canada.

TABLE 11 Farm Debt Outstanding, Manitoba, 1984-1986

	1984	1985	1986
	(millions of dollars)		
Chartered Banks[1]	797.0	849.0	N.A.
Federal Government Agencies[2]	429.5	411.7	N.A.
Provincial Government Agencies	206.8	217.5	N.A.
Credit Unions	187.3	211.8	N.A.
Insurance, Trust, Loan Companies	9.6	8.6	N.A.
Others[3]	192.2	191.7	N.A.
TOTAL[4]	1,822.6	1,890.2	N.A.

[1] Includes loans under F.I.L.A.
[2] Includes F.C.C., V.L.A. and F.B.D.B.
[3] Includes supply companies, dealers, and stores.
[4] Totals may not add due to rounding.
SOURCE: Statistics Canada.

TABLE 12A Manitoba Farm Structure, 1981, 1986

People and Land	1981 Census	1986 Census
Total Manitoba Population	1,026,241	1,071,232
Farm Population	98,375	86,505
Total Manitoba Land Base (thousand units)		
Hectares	54 770	54 770
Acres	135,342	135,342
Farmland		
Hectares	7 736	7 740
Acres	19,115	19,125
Improved		
Hectares	5 504.0	5 403.1
Acres	13,600.6	13,351.3
Cropland: (thousand units)		
Seeded to Crops:		
Hectares	4 420.4	4 519.3
Acres	10,923.0	11,167.5
Summerfallow:		
Hectares	598.3	509.2
Acres	1,478.5	1,258.3
Hay and Pasture:		
Hectares	2 497.7	2 541.0
Acres	6,172.0	6,279.0
Other Improved:		
Hectares	132.8	99.6
Acres	328.1	246.7
Unimproved:		
Hectares	2 231.0	2 337.1
Acres	5,513.0	5,775.2

SOURCE: Statistics Canada.

TABLE 12B Manitoba Farm Structure, 1981, 1986 (cont'd)

Farms and Tenure of Operators	1981 Census	1986 Census
Census Farms	29,442	27,336
Average Size per Census Farm		
Hectares	263	283
Acres	649	700
Average Value per Unit		
Hectares	$1,028.86	$850.66
Acres	$416.36	$344.25
Average Capital per Farm	$354,968.00	$349,525.00
Average Realized Net Income per Farm	$7,928.00	$18,406.00
Average Debt per Farm	$52,269.00	$71,603.00
Average Expenses per Farm	$49,249.00	$61,828.00
Type of Organization		
Individual/Family Farm	25,701	27,336
Partnership		
With written agreement	688	761
With no written agreement	1,965	2,468
Corporation		
Family	882	1,035
Other	85	61
Institution	—	16
Community Pasture	—	29
Other	—	77
Tenure of Operators		
Owner	16,083	25,091
Tenant	2,259	—
Part-Owner, Part-Tenant	11,100	—
Rent/Leasing	—	13,552

SOURCE: Statistics Canada.

CROP PRODUCTION

General Conditions

Rain mixed with wet snow and excessive soil moisture prevailed at the end of April with reports suggesting that at least two weeks of warm dry weather were required before seeding operations could become general. April, 1986 was the second wettest month on record, slowing operations.

During early May, most seeding operations had yet to begin. By comparison, 85 to 95 per cent of cereal crops had been seeded in some areas by the same time last year. By May 20, seeding operations were expected to be general within one week.

By May 27, good seeding weather had speeded up planting throughout the province. Good seeding weather continued in June in all regions, with planting nearing completion. Excessive heat damaged some cereals and flaxseed in the Southwest Region while grasshoppers started to appear in the Central Region. In some areas of the Southwest and Northwest Regions, weed control measures were begun.

As June progressed, subsoil moisture levels were good but top soil moisture conditions were poor. Dry top soil conditions caused poor germination in some areas. Crop development was seven to ten days behind 1985. Spraying to control weeds was being carried out in all regions.

As July advanced, cereal crops were in good condition but late seeding caused uneven germination in flaxseed and canola (rapeseed).

By August 17, warm dry weather was needed to allow crops to mature and to dry fields. In some crop districts, harvesting of rye and winter wheat was nearing completion in certain areas, but, in general, were expected to be completed by the last week of August. Swathing had progressed well by the middle of August although crop development was five to seven days behind 1985.

Plant diseases, rust, septoria, tan spot and sclerotinia caused serious problems in certain areas, but crops in most areas were good.

Yield expectations were less than 1985 and weed growth caused problems. August rains had delayed second cut haying operations.

By September, cool temperatures and frequent showers slowed the rate of maturity of the late seeded crops and also slowed harvesting. The major portion of crop harvesting was completed by the end of September with yields expected to be lower than 1985.

Frequent showers and cool temperatures continued to impede harvesting progress in October. Combining was completed in the Southwest, Central and Interlake Regions and some parts of the Eastern Region.

In the northern part of the Southwest Region, in areas of the Central Region and in most of the Northwest Region, significant amounts of combining had still to be done. Fifty-five per cent of all crops were harvested. With a major portion of the unharvested crop in swath, and with recent wet weather, crop quality had deteriorated.

Harvesting was mostly completed by the end of October. However, weather conditions significantly reduced yield and quality of the crop. The very cool, wet conditions from September 1 to October 10 resulted in lower grades and production, and a late harvest for the second successive year.

The total estimated area of improved land (crops, summerfallow and improved pasture) amounted to 5 403 077 hectares (13,351,296 acres), marginally less than the 1985 area of 5 422 860 hectares (13,400,200 acres). Increases occurred in wheat area (3 per cent) and hay (7 per cent). Summerfallow area increased 39 per cent over 1985. These increases were essentially offset by declines in rye (62 per cent), barley (18 per cent), mixed grains (36 per cent), vegetable and special crops (17 per cent) and canola (rapeseed) and flaxseed (2 per cent each).

Total production of the major crops — wheat, oats, barley, rye, flaxseed and canola (rapeseed) — was 8 million tonnes in 1986, representing a decline of 17.3 per cent below 1985 production of 9.673 million tonnes. Wheat production fell by 14.3 per cent, due primarily to a 17 per cent fall in yields. Spring wheat production fell 16.2 per cent while Durum production increased by 14.1 per cent, due mainly to a 33.3 per cent increase in seeded area. Production of oats decreased 16.6 per cent and flaxseed increased by 2.3 per cent. However, barley declined 26.7 per cent and mixed grains by 41 per cent. These declines resulted from lower yield and area combinations.

WHEAT

A record 2 003 000 hectares (4,950,000 acres) were planted in 1986. Total production was estimated at 4 477 million tonnes (164,500 million bushels), a fall of 14.3 per cent below the 1985 level. The area seeded, average yields, and total production for 1985 and revised 1986 (based on Census 1986) are shown below.

TABLE 13 Area, Yield and Production of Wheat, 1986

	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (000 tonnes)	
Crop District	1985	1986	1985	1986	1985	1986
1	291	305	2 687	2 148	782	666
2	196	248	2 459	2 335	482	579
3	230	225	2 635	2 387	606	537
4	99	86	2 626	2 128	260	183
5	112	93	2 554	2 140	287	199
6	132	139	2 591	2 022	342	281
7	246	271	2 748	2 299	676	623
8	315	354	3 095	2 288	975	810
9	148	144	2 824	2 181	418	314
10	22	17	2 136	1 824	47	31
11	100	85	2 430	2 129	243	181
12	51	36	2 137	2 028	109	73
PROVINCE	1 942	2 003	2 690	2 240	5 226	4 477

	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
Crop District	1985	1986	1985	1986	1985	1986
1	720	752	39.9	32.5	28,711	24,470
2	486	614	36.4	34.7	17,699	21,285
3	569	557	39.2	35.4	22,277	19,708
4	244	213	39.1	31.5	9,543	6,712
5	277	231	37.9	31.7	10,502	7,314
6	327	343	38.4	30.2	12,553	10,350
7	607	669	40.9	34.2	24,837	22,907
8	775	874	46.2	34.1	35,823	29,782
9	367	355	41.9	32.5	15,378	11,526
10	55	42	31.4	27.1	1,727	1,140
11	247	209	36.2	31.7	8,934	6,630
12	126	91	31.9	29.4	4,016	2,676
PROVINCE	4,800	4,950	40.0	33.2	192,000	164,500

SOURCE: Statistics Canada.

Durum wheat is included with total wheat production statistics. In 1986 the seeded area was estimated at 162 000 hectares (400,000 acres), up 33 per cent from the 1985 level. Average yield was 2 302 kilograms per hectare (34.3 bushels per acre) compared to 2 702 kilograms (40 bushels) in 1985. Total production was estimated at 373 000 tonnes (13,700,000 bushels), an increase of 14 per cent from 1985.

OATS

The 1986 total production of oats was estimated at [illegible] 000 tonnes (30 million bushels) with a total farm value of $34.7 million, down 28.3 per cent from 1985. A two per cent rise in average yield in 1986 could not compensate for the 18 per cent fall in harvested area, resulting in a 17 per cent decrease in total production from the previous year.

TABLE 14 Area, Yield and Production of Oats, 1986

Crop District	Harvested Hectares (000)		Yield per Hectare (kilograms)		Production (000 tonnes)	
	1985	1986	1985	1986	1985	1986
1	19	17	2 526	2 471	48	42
2	34	29	2 235	2 655	76	77
3	20	16	2 450	2 625	49	42
4	12	9	2 417	2 333	29	21
5	12	9	2 500	2 222	30	20
6	35	22	2 400	2 364	84	52
7	31	32	2 742	2 719	85	87
8	19	11	2 895	3 091	55	34
9	15	15	2 667	2 400	40	36
10	5	5	2 600	2 000	13	10
11	6	8	2 500	2 750	15	22
12	15	9	2 067	2 222	31	20
PROVINCE	223	182	2 490	2 540	555	463

Crop District	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1985	1986	1985	1986	1985	1986
1	46	41	67.1	65.8	3,088	2,696
2	85	71	58.3	70.6	4,957	5,010
3	50	40	63.1	68.5	3,154	2,739
4	29	22	64.3	62.5	1,865	1,375
5	30	22	64.9	57.8	1,948	1,272
6	87	55	62.6	61.4	5,447	3,378
7	77	78	71.2	72.7	5,480	5,668
8	45	29	80.3	74.8	3,612	2,169
9	37	36	69.2	64.6	2,562	2,327
10	13	13	66.5	49.7	864	646
11	15	21	65.7	66.6	985	1,398
12	36	22	56.6	60.1	2,038	1,322
PROVINCE	550	450	65.6	66.7	36,000	30,000

SOURCE: Statistics Canada.

Oats for hay is not included in the above data. In 1986 an additional 35 480 hectares (87,674 acres) of oats were planted and cut for hay.

BARLEY

Barley production in 1986 was 1 851 000 tonnes (85,000,000 bushels), down 27 per cent from the 1985 level. Six hundred and twenty-seven thousand hectares (1,550,000 acres) were harvested, yielding an average of 2 950 kilograms per hectare (54.8 bushels per acre). The total farm value of production was $170.3 million, down 29.8 per cent from the 1985 level. The area, yield and production of the 1986 barley crop are shown below. An additional 8 645 hectares (21,364 acres) were planted and cut for fodder in 1986.

TABLE 15 Area, Yield and Production of Barley, 1986

	Harvested Hectares (000)		Yield per Hectare (kilograms)		Production (000 tonnes)	
Crop District	**1985**	**1986**	**1985**	**1986**	**1985**	**1986**
1	65	59	3 538	3 017	230	178
2	93	91	3 140	3 110	292	283
3	116	94	3 207	3 202	372	301
4	38	28	3 000	2 750	114	77
5	31	25	3 161	2 440	98	61
6	52	39	3 154	2 769	164	108
7	98	80	3 571	2 950	350	236
8	115	91	4 096	3 154	471	287
9	52	45	3 635	2 844	189	128
10	14	7	2 429	2 143	34	15
11	42	40	3 024	2 700	127	108
12	33	28	2 576	2 464	85	69
PROVINCE	749	627	3 370	2 950	2 526	1 851

	Harvested Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
Crop District	**1985**	**1986**	**1985**	**1986**	**1985**	**1986**
1	160	147	66.0	55.7	10,559	8,185
2	230	225	58.3	57.7	13,415	12,985
3	286	233	59.7	59.3	17,088	13,810
4	93	69	56.2	51.2	5,222	3,332
5	77	61	58.8	46.2	4,524	2,817
6	129	97	58.3	51.4	7,516	4,983
7	242	198	66.5	54.9	16,084	10,862
8	287	226	75.2	58.2	21,596	13,149
9	128	111	67.8	53.0	8,678	5,883
10	34	17	46.4	40.9	1,578	695
11	103	98	56.7	50.5	5,843	4,951
12	81	68	48.1	46.3	3,897	3,148
PROVINCE	1,850	1,550	62.7	54.8	116,000	85,000

SOURCE: Statistics Canada.

CANOLA (RAPESEED)

Canola (rapeseed) plantings were 405 000 hectares (1,000,000 acres) in 1986, the same as in 1985. The average yield was estimated at 1 430 kilograms per hectare (25.5 bushels per acre). The total value of farm production from canola (rapeseed) was estimated at $118.5 million, 23.9 per cent less than in 1985.

TABLE 16 Area, Yield and Production of Canola (Rapeseed), 1986

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (000 tonnes)	
	1985	1986	1985	1986	1985	1986
1	45.7	44.9	1 510	1 465	69.0	65.8
2	34.4	40.2	1 459	1 463	50.2	58.8
3	44.8	49.2	1 594	1 571	71.4	77.3
4	26.6	23.3	1 699	1 494	45.2	34.8
5	22.2	13.9	1 460	1 259	32.4	17.5
6	54.6	39.8	1 634	1 427	89.2	56.8
7	59.5	70.8	1 662	1 329	98.9	94.1
8	57.2	68.8	1 687	1 465	96.5	100.8
9	11.8	15.3	1 729	1 418	20.4	21.7
10	6.5	4.0	1 215	1 225	7.9	4.9
11	16.8	14.9	1 345	1 342	22.6	20.0
12	24.9	19.9	1 257	1 281	31.3	25.5
PROVINCE	405.0	405.0	1 570	1 430	635.0	578.0

Crop District	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1985	1986	1985	1986	1985	1986
1	113.0	110.9	26.9	26.2	3,041.0	2,901.2
2	85.0	99.3	26.0	26.1	2,213.1	2,591.7
3	110.7	121.5	28.5	28.0	3,149.7	3,407.5
4	65.8	57.6	30.3	26.6	1,993.8	1,533.7
5	54.9	34.4	26.0	22.4	1,426.6	771.4
6	135.0	98.3	29.1	25.5	3,931.0	2,505.7
7	147.1	174.9	29.7	23.7	4,362.6	4,150.4
8	140.2	169.4	30.4	26.3	4,259.1	4,457.8
9	29.1	37.8	30.9	25.3	898.6	958.0
10	16.1	9.9	21.6	22.0	347.2	217.5
11	41.6	36.8	23.9	24.0	995.6	882.2
12	61.5	49.2	22.5	22.8	1,381.7	1,122.9
PROVINCE	1,000.0	1,000.0	28.0	25.5	28,000.0	25,500.0

SOURCE: Statistics Canada.

FLAXSEED

In 1986, 572 000 tonnes (22.5 million bushels) were harvested, up 2.3 per cent from 1985. The increase in 1986 production was the result of improvements in yields. Manitoba farmers contributed an estimated 54.7 per cent of Canadian production. The estimated total value of the 1986 crop was $100.1 million.

TABLE 17 Area, Yield and Production of Flaxseed, 1986

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (000 tonnes)	
	1985	1986	1985	1986	1985	1986
1	45.4	41.2	1 203	1 405	54.6	57.9
2	31.1	26.7	1 116	1 442	34.7	38.5
3	19.3	24.1	1 244	1 585	24.0	38.2
4	3.6	4.9	1 389	1 388	5.0	6.8
5	29.8	21.4	1 470	1 266	43.8	27.1
6	19.1	17.7	1 262	1 373	24.1	24.3
7	76.5	86.0	1 277	1 224	97.7	105.3
8	116.9	119.5	1 499	1 449	175.2	173.2
9	42.4	44.7	1 585	1 353	67.2	60.5
10	7.2	4.8	1 000	1 208	7.2	5.8
11	22.3	18.5	1 359	1 411	30.3	26.1
12	11.4	7.5	1 158	1 107	13.2	8.3
PROVINCE	425.0	417.0	1 320	1 370	559.0	572.0

Crop District	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1985	1986	1985	1986	1985	1986
1	112.1	101.7	19.2	22.4	2,150.6	2,278.1
2	76.9	66.1	17.8	22.9	1,365.9	1,513.8
3	47.7	59.5	19.8	25.3	946.0	1,504.2
4	8.9	12.0	22.0	22.2	195.4	266.2
5	73.6	52.8	23.4	20.2	1,724.0	1,065.6
6	47.2	43.8	20.1	21.8	948.5	956.1
7	189.0	212.6	20.4	19.5	3,846.7	4,145.1
8	288.7	294.9	23.8	23.1	6,883.1	6,804.6
9	104.8	110.5	25.2	21.6	2,645.0	2,382.8
10	17.8	11.8	15.9	19.5	282.2	230.0
11	55.2	45.8	21.6	22.4	1,191.7	1,028.0
12	28.1	18.5	18.5	17.6	520.9	325.5
PROVINCE	1,050.0	1,030.0	21.0	21.8	22,000.0	22,500.0

SOURCE: Statistics Canada.

RYE

The total of all rye farm value of production was estimated at $3,965,000. Harvested area was 31 000 hectares (77,000 acres) in 1986, compared to 80 800 hectares (200,000 acres) in 1985. The average yield was estimated at 1 970 kilograms per hectare (31.3 bushels per acre) in 1986, compared to 2 120 kilograms per hectare (33.8 bushels per acre) in 1985. Of the total rye area, 2 023 hectares (5,000 acres) of spring rye were sown in 1986, compared to 800 hectares (2,000 acres) in 1985. Production of all rye totalled 61 000 tonnes (2,400,000 bushels).

TABLE 18 Area, Yield and Production of Fall Rye, 1986

Crop District	Planted Hectares (000)		Yield per Hectare (kilograms)		Production (000 tonnes)	
	1985	1986	1985	1986	1985	1986
1	17.2	8.0	1 890	2 138	32.5	17.1
2	15.6	10.0	1 776	1 850	27.7	18.5
3	4.7	2.7	2 085	1 926	9.8	5.2
4	4.0	0.7	2 350	2 000	9.4	1.4
5	9.5	1.2	2 400	2 000	22.8	2.4
6	4.2	0.6	2 286	2 000	9.6	1.2
7	10.0	3.4	2 260	1 941	22.6	6.6
8	9.4	1.7	2 500	2 412	23.5	4.1
9	3.4	—	2 294	—	7.8	—
10	0.9	0.2	2 111	1 500	1.9	0.3
11	0.4	—	2 000	—	0.8	—
12	0.7	—	2 286	—	1.6	0.1
PROVINCE	80.0	29.0	2 130	2 000	170.0	58.0

Crop District	Planted Acres (000)		Yield per Acre (bushels)		Production (000 bushels)	
	1985	1986	1985	1986	1985	1986
1	42.4	19.7	30.2	34.2	1,279.1	673.2
2	38.5	24.6	28.3	29.5	1,089.7	726.5
3	11.5	6.6	33.4	31.2	384.2	206.1
4	9.8	1.7	37.7	31.7	369.0	53.9
5	23.5	2.9	38.2	32.1	896.9	93.2
6	10.4	1.6	36.4	28.6	378.7	45.8
7	24.7	8.5	36.1	30.7	891.0	261.1
8	23.8	4.6	39.4	35.6	938.2	163.6
9	8.5	—	36.1	—	306.9	—
10	2.2	0.4	34.0	31.5	74.7	12.6
11	0.9	—	33.9	—	30.5	—
12	1.8	0.1	33.9	31.0	61.1	3.1
PROVINCE	198.0	72.0	33.8	31.7	6,700.0	2,280.0

SOURCE: Statistics Canada.

MIXED GRAINS

An estimated 82 000 tonnes (4.0 million bushels) were produced in 1986, compared to 139 000 tonnes (6.8 million bushels) in 1985, a decrease of 41 per cent. Planted area in 1986 was 32 400 hectares (80,000 acres), 36 per cent below the 1985 level. Mixed grains total value of production in 1986 was $6.3 million, only 40 per cent of the 1985 value of $15.8 million.

SPECIALTY CROPS

GRAIN CORN

Grain corn plantings in 1986 were estimated at 13 800 hectares (34,000 acres), down 66 per cent from the 1985 level of 40 500 hectares (100,000 acres). The estimated total production of 61 000 tonnes (2.4 million bushels) was down 19.7 per cent from the 1985 level.

The average yield of grain corn was estimated at 4 420 kilograms per hectare (70.6 bushels per acre), up 235 per cent from 1985. The total value of production in 1986 was estimated at $7.2 million, 20.9 per cent less than 1985.

SUNFLOWERSEED

The 1986 sunflower plantings were estimated at 23 100 hectares (57,000 acres), down 64 per cent from 1985. The average yield was estimated at 2 004 kilograms per hectare (1,790 pounds per acre). Manitoba's area accounted for 88 per cent of the plantings in Canada. Sunflower production was estimated at $10.0 million in 1986, 43.6 per cent less than its 1985 value.

FIELD PEAS

The 1986 field pea plantings were estimated at 58 700 hectares (145,000 acres), 45 per cent higher than in 1985. These plantings represent 45 per cent of the field peas grown in Canada. The average yield was 1 760 kilograms per hectare (1,570 pounds per acre), a 24 per cent decrease from 1985. Field peas had a value of production of $20.5 million in 1986, 11 per cent less than 1985.

BUCKWHEAT

Buckwheat plantings were estimated at 21 900 hectares (54,000 acres), an increase of 81 per cent over 1985. The average yield was 922 kilograms per hectare (17.2 bushels per acre). The value of production of buckwheat was estimated at $5.0 million in 1986, representing a 2 per cent increase over 1985.

MUSTARD

Mustard plantings were estimated at 14 200 hectares (35,000 acres), 12 per cent below the estimates for 1985. Yellow mustard accounted for approximately 90 per cent of plantings whereas brown and oriental mustard accounted for 10 per cent. Average yields were estimated at 1 915 kilograms per hectare (1,714 pounds per acre). Mustard seed had a farm value of $7.8 million in 1986, 11.4 per cent higher than in 1985.

LENTILS

Lentil growers in Manitoba planted 17 800 hectares (44,000 acres) in 1986. This was 37 per cent greater than the revised 1985 area of 12 900 hectares (32,000 acres). An average yield of 1 708 kilograms per hectare (1,523 pounds per acre) generated a total production of 30 400 tonnes (67,000 bushels) and a value of production of $13.4 million.

CANARY SEED

Canary seed plantings were estimated at 23 200 hectares (57,300 acres) in 1986. This represented a 91 per cent increase over 1985. Total value of production was estimated at $8 million.

FABABEANS

Five thousand three hundred hectares (13,100 acres) of fababeans were planted in Manitoba in 1986. This was an increase of 9 per cent above 1985. The net result was an estimated value of production of $1.7 million in 1986.

FIELD BEANS

In 1986, 6 475 hectares (16,000 acres) of field beans were planted in Manitoba. Coloured beans comprised 3 885 hectares (9,600 acres) and white beans made up 2 590 hectares (6,400 acres).

With an average yield of net saleable product of 1 569 kilograms per hectare (1,400 pounds per acre), the production of white field beans amounted to 4 064 tonnes (4,480 tons). The average price of white field beans was estimated at $0.99 per kilogram ($0.45 per pound), resulting in an estimated value of production of $4,031,488.

Coloured field beans comprised of pintos — 1 127 hectares (2,784 acres) and blacks — 1 204 (2,976). Pinto yield averaged 1 793 kilograms per hectare (1,600 pounds per acre) for a total production of 2 021 tonnes (2,228 tons). Blacks, with an average yield of 1 401 kilograms per hectare (1,250 pounds per acre), produced 1 687 tonnes (1,859 tons).

Pintos averaged $0.46 per kilogram ($0.21 per pound) for a total value of production of $929,660. Blacks' average price was $0.44 per kilogram ($0.20 per pound) for a value of production of $743,798.

The total production of field beans in 1986 was 7 772 tonnes (8,567 tons) for a total value of production of $5,704,946.

SUGAR BEETS

The sugar beet harvested area was 11 300 hectares (28,000 acres) in 1986, up 18 per cent from 1985. The average yield was 30.97 tonnes per hectare (13.79 tons per acre). Total production was estimated at 350 000 tonnes (386,000 tons) and valued at $9.4 million in 1986. Total 1985 production was 290 000 tonnes (320,000 tons) and was valued at $13.1 million.

POTATOES

The area planted to potatoes in 1986 was estimated at 18 800 hectares (46,400 acres). Of this total area, 13.5 per cent was allocated to table stock production, 8.9 per cent to seed and 77.6 per cent to processing stock. Gross production was estimated at 362 700 tonnes (399,200 tons) with a gross yield of 19.3 tonnes per hectare. At an average price of $92.58 per tonne ($84.11 per ton), the value of production was estimated at $33,577,000.

CORN FOR SILAGE

Silage corn area in 1986 totalled 12 900 hectares (32,000 acres), 29 per cent less than for 1985. Total production decreased from 290 000 tonnes (320,000 tons) in 1985 to 272 000 tonnes (300,000 tons) in 1986. The average yield was estimated at 21 085 kilograms per hectare (9.35 tons per acre), compared to 15 900 kilograms per hectare (7.11 tons per acre) in 1985. Silage corn was valued at $4.3 million, 29.0 per cent less than its value in 1985.

TAME HAY AND PASTURE

The area under tame hay and pasture was estimated at 587 000 hectares (1,450,000 acres). Tame hay production was valued at $188,124,000 based on the average price of $61.00 per tonne ($55.33 per ton). Estimates on the production of wild hay and other crops such as wheat and millet cut for hay are not available. The area in improved pasture was estimated at 283 000 hectares (700,000 acres) in 1986.

TABLE 19 Area, Yield and Production of Tame Hay

Crop District	Harvested Hectares (000) 1985	1986	Yield per Hectare (tonnes) 1985	1986	Production (000 tonnes) 1985	1986
1	38.7	36.4	3.53	4.74	136.6	172.7
2	55.0	57.1	3.38	5.91	186.1	337.6
3	36.4	44.2	3.72	4.96	135.4	219.3
4	17.4	28.5	4.42	4.25	76.9	121.0
5	19.7	23.8	4.75	4.94	93.6	117.5
6	72.4	76.6	3.97	4.19	287.7	320.6
7	61.9	63.5	4.37	5.52	270.5	350.4
8	28.8	32.4	4.37	5.97	125.9	193.4
9	48.4	48.8	4.88	6.48	236.0	316.0
10	30.4	31.1	3.32	4.86	100.8	151.1
11	37.2	35.2	4.22	6.85	156.8	241.0
12	99.7	109.4	3.72	4.97	370.7	543.4
PROVINCE	546.0	587.0	3.99	5.25	2 177.0	3 084.0

Crop District	Harvested Acres (000) 1985	1986	Yield per Acre (tons) 1985	1986	Production (000 tons) 1985	1986
1	95.7	90.0	1.57	2.12	150.6	190.4
2	135.9	141.1	1.51	2.64	205.1	372.1
3	89.9	109.1	1.66	2.22	149.2	241.7
4	43.0	70.5	1.97	1.89	84.8	133.4
5	48.6	58.7	2.12	2.21	103.2	129.5
6	178.9	189.4	1.77	1.87	317.1	353.4
7	153.0	156.9	1.95	2.46	298.2	386.3
8	72.0	79.4	1.93	2.69	139.1	213.6
9	119.6	120.7	2.18	2.89	260.2	348.3
10	75.2	76.9	1.48	2.17	111.1	166.6
11	91.9	87.0	1.88	3.05	172.8	265.7
12	246.3	270.3	1.66	2.22	408.6	599.0
PROVINCE	1,350.0	1,450.0	1.78	2.34	2,400.0	3,400.0

SOURCE: Statistics Canada.

TABLE 20 Area of Pasture

Crop District	Hectares (000) 1985	1986	Acres (000) 1985	1986
1	32.8	23.1	81.1	57.1
2	41.1	32.5	101.6	80.4
3	34.5	28.5	85.3	70.5
4	21.2	22.7	52.4	56.1
5	14.2	15.6	35.2	38.5
6	44.5	38.2	110.0	94.3
7	45.4	33.8	112.3	83.5
8	19.6	16.0	47.9	40.2
9	17.6	12.3	43.6	30.5
10	12.7	8.4	31.5	20.7
11	16.9	13.0	41.7	32.1
12	43.5	38.9	107.4	96.1
PROVINCE	344.0	283.0	850.0	700.0

SOURCE: Statistics Canada.

VEGETABLES

Excessive soil moisture from the fall of 1985, combined with additional precipitation and cool temperatures in April and early May, delayed planting in most vegetable production areas until May 10 or later. These poor conditions disrupted crop rotation patterns and made seedbed preparation difficult. As a result, plant emergence and stands were uneven in many fields.

Weather conditions improved in the latter part of May and first half of June, allowing the completion of planting. Heavy rainfall in the latter part of June resulted in some crop damage in the Portage la Prairie, Elie and Winnipeg areas of the province. In July, warm temperatures and rainfall of 145 to 150 mm allowed rapid development of crops. Isolated hail in July did slight damage to onion crops in the Portage la Prairie area. Good crop growth continued throughout August in all areas of the province. Unfortunately, a severe hail storm which passed through the Portage la Prairie area severely damaged some plantings of cooking/green onions, broccoli and carrots. The warm and relatively dry conditions continued into September, delaying the harvest of storage root crops until temperatures declined. Cooler temperatures and rain dominated the latter part of September and early October. As a result, harvest operations were hampered in the Portage la Prairie and Winnipeg areas. Grower persistence prevailed and the entire harvest was finally completed in October.

Generally, summer and storage crop quality was above average. However, a portion of the cooking onion crop deteriorated in storage as a result of the severe weather conditions in isolated areas of Portage la Prairie. With most commodities, yields were average to above average. Strong market prices coupled with favourable yields and quality helped growers recoup some of the losses experienced in 1984 and 1985.

Manitoba's weekly mushroom production remained static at 47 720 kilograms (105,000 pounds) per week. Total annual production for Manitoba was 2.51 million kilograms (5.52 million pounds) with exports accounting for 363,636 kilograms (800,000 pounds).

Interest in production and consumer awareness of exotic mushrooms has increased the market share to 2 per cent. This is expected to increase further.

Manitoba's share of the prairie mushroom production has remained relatively static at 45 per cent. B.C. continues to ship its excess production into the Winnipeg market.

Prices increased to $7.50 per 2.27 kilograms (5 pounds), an increase of $0.11 per kilogram ($0.05 per pound) after several years of steady prices.

TABLE 21 1986 Fresh Vegetable Production and Farm Value, Manitoba

	Planted Area (hectares)	Harvested Area (hectares)	Average Yield (kg/ha)	Total Production (tonnes)	Average Price ($/kg)	Total Value ($000)
Asparagus	32.4	24.3	2 242	54.5	2.20	120.0
Beets	8.1	8.1	14 571	118.0	0.42	49.4
Cabbage	153.8	153.8	21 296	3 275.3	0.22	722.0
Carrots	113.3	113.3	30 263	3 429.1	0.46	1,587.6
Cole Crops (excl. cabbage)	178.1	178.1	•••	1 723.9	•••	1,500.0
Celery	28.3	28.3	35 868	1 015.1	0.44	448.0
Corn, Sweet	202.3	202.3	11 209	2 267.6	0.35	800.0
Cucumbers	28.3	28.3	22 417	634.4	0.55	350.0
Lettuce	10.1	10.1	8 406	84.9	0.88	75.0
Onions	157.8	157.8	28 021	4 421.7	0.44	1,950.0
Parsnips	28.3	28.3	14 571	412.4	0.77	318.5
Peppers	10.1	10.1	14 571	147.2	0.66	97.5
Radish	18.2	16.2	3 587	58.1	0.88	51.2
Squash	12.1	12.1	•••	131.1	•••	37.5
Tomatoes	6.1	6.1	15 692	95.7	0.77	73.5
Rutabagas	48.6	48.6	24 659	1 198.4	0.33	396.0
Peas, Sweet	58.7	46.5	3 363	156.4	2.20	345.0
Processing	437.1	437.1	•••	•••	•••	1,100.0
Beans, Snap	22.3	22.3	3 811	85.0	0.88	74.8
Other Crops	30.4	30.4	•••	98.7	•••	54.4
TOTAL	1 584.3	1 562.1	•••	•••	•••	10,150.4

	Planted Area (acres)	Harvested Area (acres)	Average Yield (lb/acre)	Total Production (000 lbs)	Average Price ($/lb)	Total Value ($000)
Asparagus	80	60	2,000	120	1.00	120.0
Beets	20	20	13,000	260	0.19	49.4
Cabbage	380	380	19,000	7,220	0.10	722.0
Carrots	280	280	27,000	7,560	0.21	1,587.6
Cole Crops (excl. cabbage)	440	440	•••	3,801	•••	1,500.0
Celery	70	70	32,000	2,240	0.20	448.0
Corn, Sweet	500	500	10,000	5,000	0.16	800.0
Cucumbers	70	70	20,000	1,400	0.25	350.0
Lettuce	25	25	7,500	188	0.40	75.0
Onions	390	390	25,000	9,750	0.20	1,950.0
Parsnips	70	70	13,000	910	0.35	318.5
Peppers	25	25	13,000	325	0.30	97.5
Radish	45	40	3,200	128	0.40	51.2
Squash	30	30	•••	288	•••	37.5
Tomatoes	15	15	14,000	210	0.35	73.5
Rutabagas	120	120	22,000	2,640	0.15	396.0
Peas, Sweet	145	115	3,000	345	1.00	345.0
Processing	1,080	1,080	•••	•••	•••	1,100.0
Beans, Snap	55	55	3,400	187	0.40	74.8
Other Crops	75	75	•••	218	•••	54.4
TOTAL	3,915	3,860	•••	•••	•••	10,150.4

••• Not applicable or not appropriate.
SOURCE: Manitoba Agriculture.

ORNAMENTAL CROPS

Nursery Stock

Most areas of the province reported relatively little winter damage to field-grown plants during the winter of 1985-86. The spring selling season was somewhat earlier than usual and generally above normal in terms of precipitation. Wet spring conditions contributed to a reduction of 10 to 20 per cent in spring retail sales. The sales picked up as the season progressed with the final sales for 1986 matching those of 1985.

Retail and wholesale growers reported minimal price increases over previous years.

Fall harvesting of field grown crops proceeded according to schedule with most of the digging completed prior to the first snowfall by October 30.

Landscape contractors and installers reported an increase in business during 1986 compared to 1985. Bidding for these projects was very competitive and, in many cases, prices used in 1986 were the same as three years earlier.

Total area in production was 650 hectares (1,600 acres) and the estimated value of sales was $4,750.00.

Nursery Sod

Early season demand was very good. Spring prices were as high as $1.00 per metre. In general prices remained the same as in 1985 at $0.50 per metre in the field and $0.85 per metre delivered.

Harvested acreage in 1986 was approximately 1 000 hectares (2,470 acres), an increase over 1985. The estimated value of production for 1986 was $4,600,000.

Some nursery sod is still being shipped to the Regina markets.

Seventy-five per cent of the Manitoba production is on peat land in the Stead-Gull Lake area.

TABLE 22 Value of Production of Floriculture & Nursery

Total Estimated Value for 1986 Production:	
Potatoes	$33,577,000
Commercial Vegetables (Fresh)	10,150,400
Fruits	2,900,000
Environmentally Controlled Production (Greenhouse and Mushrooms)	14,260,000
Nursery Products and Sod	9,350,000
Miscellaneous	4,800,000
TOTAL	$75,037,400

SOURCE: Manitoba Agriculture

Fruit

The area planted to strawberries remained stable in 1985-86. In 1986 the total area harvested was 251 hectares (620 acres) with a total industry value estimated at $2.9 million. Winter injury was not as severe as in 1985. Above average strawberry yields were not fully harvested due to unseasonal rains during the picking season. A high percentage of fruit rot, combined with rain damaged fruit and poor U-pick conditions, resulted in crop losses between 20 to 35 per cent on some farms. Early crop harvesting cycles (one week to ten days earlier than normal) on some sites reduced these harvest problems. Production yields were above average at most sites, 6 200 kilograms per hectare (5,500 pounds per acre). However, poor weather conditions resulted in below average total harvested yields, 5 200 kilograms per hectare (4,633 pounds per acre). There is some displacement of U-pick fruit being experienced in North America by fresh market sales. This trend is not fully impacted on the Manitoba industry. Some growers are presently shifting a percentage of their crop to fresh market sales (hotel, restaurant and industry). U-pick prices remain stable at $1.76 to $2.20 per kilogram ($0.80 to $1.10 per pound). Picked strawberries for fresh sales were approximately 30 to 40 per cent higher.

New plant imports in 1986 totalled approximately two million, stable over 1985 imports. Some shifts in cultivars being used were noted. The cultivars "Kent" and "Glooscap" are displacing standard cultivars such as "Redcoat".

Increased expansion in the industry is expected based on grain farmers looking for income supplement. However, market opportunities based on U-pick are limited to the north (Dauphin, The Pas) and along the Saskatchewan/Manitoba border areas.

Day neutral strawberry production is increasing from several trial sites to approximately four hectares (ten acres) in 1986. Extension of the harvest season from three weeks to three months, especially for fresh sales, looks very promising.

Raspberry acres expanded moderately at 5 per cent. Total area in planting and production is estimated at 60 hectares (150 acres). Yields were above normal in 1986, 5 386 kilograms per hectare (4,800 pounds per acre). Interest in the cottage scale processing of raspberry fruit continues to be strong. Expansion of production in 1987 is expected to be 25 per cent, down slightly from the 30 per cent new plantings established in 1986. Prices ranged from $1.10 to $2.75 per kilogram ($0.50 to $1.25 per pound). Fresh sale prices were approximately 30 to 40 per cent higher.

A small but steady expansion of area in Saskatoon production continues to grow. Interest in alternative crops to strawberries also is showing interest (blueberry, cranberry, and apple).

A number of new apple orchards have been established to service the growing demand for locally produced apples. Prices at the farm-gate level varied from $0.66 to $0.88 per kilogram for ungraded apples.

Greenhouse Production

The greenhouse industry has expanded by 3 to 5 per cent in 1985-86. Demand for floricultural products for landscape and interior uses continues to be strong. This is buoyed by office building and private housing start expansions. Local production is not meeting the local demand. Imports from U.S., B.C. and Ontario continue to make up the difference between supply and demand.

Housing starts placed a strong demand on bedding plant growers. However, poor weather conditions for marketing in May and June reduced sales as much as 30 per cent for some growers. Some sales recovery was made in July and September. Rural operations did not report as strong a market demand as urban producers in Selkirk, Brandon, and Winnipeg. General economic conditions in rural and urban areas of Manitoba may have had a bearing on these greenhouse sales.

Bedding plant prices remain stable over 1985-86 at $0.10 to $0.18 per seedling. Growers of potted mums are showing concern that prices have not changed over the past three to four years and remain at $4.75 to $5.25 per 15 cm (six-inch) pot. Cheaper production costs based on improved labour efficiency may be the answer in order for local production to remain competitive with imports.

Foliage plants continue to experience steady sales. However, price competition is very strong. Local growers have been able to displace some imported pot and bedding plant markets based on superior quality. However, inferior quality imported floricultural products continue to damage Manitoba consumer confidence. Local growers are trying to establish a local product identity to aid in consumer confidence.

A snow storm in November caused some damage to the greenhouses with Christmas production. However, the majority of damage was confined to seasonal bedding plants structures which were not in production at the time.

Expanded cut flower markets have been created by aggressive chain stores. Part of this market may be met by renewed interest in field grown cut flowers. Other market niches include specialized propagation of cutting materials (mums, geraniums, and poinsettias). Expansion of the existing greenhouse markets is expected in 1987 with development focused on garden centres with some production facility expansion also expected.

SEED PRODUCTION

Forage Seeds: Total production of all forage seeds, including foreign and private varieties increased from 5 545 000 kilograms (12,223,000 pounds) in 1985 to 6 630 000 kilograms (14,614,000 pounds) in 1986. The total farm value increased from $6,162,000 to $8,184,000 in 1986.

There was about a 10 per cent increase in the total area harvested in 1986 and this, coupled with improved growing conditions, resulted in the increased production. In particular, production of Kentucky Bluegrass doubled and Timothy increased by 28 per cent. In total, the 1986 forage seed crop increased by 20 per cent while the total farm value increased 33 per cent over the 1985 crop.

On the basis of strong export demand, the prices paid for most of the crops advanced. Significant increases in price were experienced for Bromegrass, Single-cut Red Clover and Sweet Clover. The following table indicates the production and average farm-gate price for a combination of certified and common seed.

TABLE 23 Production and Value of Forage Seeds

	Production		Price per		Farm Value
	kilograms (000)	pounds (000)	kilogram $	pound $	($000)
Alfalfa	950	2,094	2.65	1.20	2,517
Birdsfoot Trefoil	200	440	3.20	1.45	640
Bromegrass	40	88	2.20	1.00	88
Kentucky Bluegrass	100	220	2.20	1.00	220
Meadow Fescue	90	198	0.88	0.40	79
Single-Cut Red Clover	250	551	1.54	0.70	385
Sweet Clover	1 500	3,307	0.62	0.28	930
Timothy	3 500	7,716	0.95	0.43	3,325
	6 630	14,614			8,184

SOURCE: Manitoba Agriculture.

Pedigreed Seed: Because of its importance in Manitoba agriculture, the area seeded to this type of crop production is given in detail. These figures are included in the estimates of total production of cereals, grasses and other crops. A portion of this seed is used in the province and part is exported. These are not included in the records of commercial marketings through elevators but are considered in the total value of crop production. In addition to the area detailed below, 5 050 hectares (12,480 acres) of unlicensed forage seed varieties were grown for export in 1985, compared to 3 729 hectares (9,215 acres) in 1984 and 3 436 hectares (8,491 acres) in 1983.

TABLE 24A **Foundation, Registered and Certified Seed Production — Hectares**

Kind of Crop	1984	1985	1986
Wheat — Hard Red Spring	39 025	27 558	33 136
— Medium Red Spring	—	8 662	3 525
— Soft White Spring	0	312	720
— Durum	5 593	5 907	5 832
— Utility	486	1 904	1 137
— Winter	137	1 337	219
Oats	2 922	1 760	2 173
Barley — 2-Row	2 007	756	2 238
— 6-Row	17 610	15 883	17 612
Rye — Fall	1 149	458	196
— Spring	60	30	93
Triticale	251	—	16
Flaxseed	19 840	16 250	15 617
Peas — Field	6 764	6 384	7 770
Beans — Faba	597	526	320
— Soybeans	1 198	488	121
— Field	76	0.4	24
Buckwheat	517	83	461
Canola (Rapeseed) — Argentine type	3 923	2 570	2 620
— Polish type	100	97	148
Alfalfa	3 242	4 584	5 166
Bromegrass	98	116	81
Kentucky Bluegrass	189	42	16
Meadow Fescue	12	38	85
Sweet Clover — Yellow Blossom	386	141	107
Timothy	7 296	6 687	7 141
Red Clover — Single- and Double-cut	56	55	113
Birdsfoot Trefoil	1 242	1 065	1 097
Mustard (Yellow & Brown)	486	295	358
Radish	—	—	—
Lentils	1 056	1 059	781
Canary Grass	660	—	245
Italian Rye Grass	—	—	—

TABLE 24B **Foundation, Registered and Certified Seed Production — Acres**

Kind of Crop	1984	1985	1986
Wheat — Hard Red Spring	96,435	68,097	81,880
— Medium Red Spring	—	21,405	8,710
— Soft White Spring	0	770	1,780
— Durum	13,820	14,620	14,410
— Utility	12,000	4,706	2,810
— Winter	925	3,304	540
Oats	7,220	4,349	5,370
Barley — 2-Row	4,960	1,869	5,530
— 6-Row	43,515	39,247	43,520
Rye — Fall	2,840	1,132	485
— Spring	148	75	230
Triticale	619	—	40
Flaxseed	49,025	40,155	38,590
Peas — Field	16,715	15,774	19,200
Beans — Faba	1,475	1,299	790
— Soybeans	2,960	1,207	300
— Field	188	1	60
Buckwheat	1,277	204	1,140
Canola (Rapeseed) — Argentine type	9,695	6,350	6,475
— Polish type	247	240	365
Alfalfa	8,010	11,327	12,765
Bromegrass	243	287	200
Kentucky Bluegrass	466	105	40
Meadow Fescue	30	93	210
Sweet Clover — Yellow Blossom	955	348	265
Timothy	18,030	16,524	17,645
Red Clover — Single-cut	138	135	280
Birdsfoot Trefoil	3,070	2,632	2,710
Mustard (Yellow & Brown)	1,200	728	885
Radish	—	—	—
Lentils	2,610	2,618	1,930
Canary Grass	1,630	485	605
Italian Rye Grass	—	—	—

In addition to the above area, 5 156 hectares (12,740 acres) of forage seed varieties not registered in Canada were grown for export in 1986.

TABLE 25 **Certified Potato Production**

	Number Growers	Hectares Inspected	Hectares Passed Inspection 1986	Production Graded Stock (tonnes)	1985
Russet Burbank	12	1 218	947	16 540	23 550
Norland	6	86	78	1 260	2 310
Norchip	3	60	55	1 020	1 760
Red Pontiac	4	55	55	1 110	1 400
Kennebec	3	12	10	180	380
Norgold Russet	1	6	6	20	40
Carlton	2	7	7	90	220
Shepody	6	70	70	790	1 030
Other	3	14	2	30	10
Conestoga	2	6	6	100	20
All Varieties	12	1 534	1 236	21 140	30 720

	Number Growers	Acres Inspected	Acres Passed Inspection 1986	Production Graded Stock (cwt)	1985
Russet Burbank	12	3,010	2,340	384,707	519,278
Norland	6	213	193	27,783	50,935
Norchip	3	148	136	22,491	38,808
Red Pontiac	4	136	136	24,476	30,870
Kennebec	3	30	25	3,969	8,379
Norgold Russet	1	15	15	441	882
Carlton	2	17	17	1,985	4,851
Shepody	6	173	173	17,420	22,712
Other	3	35	5	662	882
Conestoga	2	15	15	2,205	441
All Varieties	12	3,792	3,055	486,139	678,038

SOURCE: Agriculture Canada

TABLE 26 Farm Supply and Disposition of Major Crops, Manitoba, 1983-84 to 1985-86

1983-84	All Wheat	Durum	Oats	Barley	Rye	Flaxseed	Canola (Rapeseed)
SUPPLY			thousand tonnes				
Opening Stocks - Aug. 1	110	4	110	375	25	45	10
Production	3 410	144	401	1 589	163	297	397
TOTAL SUPPLY	3 520	148	511	1 964	188	342	407
DISPOSITION							
Marketings	3 029	123	79	1 232	163	285	304
Seed Requirements	170	10	23	64	7	19	4
Feed, Waste & Dockage	251	10	349	598	13	33	97
Carryover, July 31	70	5	60	70	5	5	2
TOTAL DISPOSITION	3 520	148	511	1 964	188	342	407
SUPPLY			thousand bushels				
Opening Stocks - Aug. 1	4,042	147	7,132	17,224	984	1,772	440
Production	125,297	5,291	26,002	72,983	6,417	11,692	17,505
TOTAL SUPPLY	129,339	5,438	33,134	90,207	7,401	13,464	17,945
DISPOSITION							
Marketings	111,298	4,520	5,123	56,586	6,417	11,220	13,404
Seed Requirements	6,246	367	1,491	2,940	276	748	176
Feed, Waste & Dockage	9,223	367	22,630	27,466	512	1,299	4,277
Carryover, July 31	2,572	184	3,891	3,215	197	197	88
TOTAL DISPOSITION	129,339	5,438	33,134	90,207	7,401	13,464	17,945

1984-85	All Wheat	Durum	Oats	Barley	Rye	Flaxseed	Canola (Rapeseed)
SUPPLY			thousand tonnes				
Opening Stocks - Aug. 1	70	5	60	70	5	5	2
Production	3 743	191	447	1 938	196	439	544
TOTAL SUPPLY	3 813	196	507	2 008	201	444	546
DISPOSITION							
Marketings	3 266	145	80	1 327	153	364	474
Seed Requirements	183	11	23	66	7	19	3
Feed, Waste & Dockage	324	35	354	545	26	58	64
Carryover, July 31	40	5	50	70	15	3	5
TOTAL DISPOSITION	3 813	196	507	2 008	201	444	546
SUPPLY			thousand bushels				
Opening Stocks - Aug. 1	2,572	184	3,891	3,215	197	197	88
Production	137,533	7,018	28,984	89,012	7,716	17,283	23,986
TOTAL SUPPLY	140,105	7,202	32,875	92,227	7,913	17,480	24,074
DISPOSITION							
Marketings	120,006	5,328	5,187	60,949	6,023	14,330	20,900
Seed Requirements	6,724	404	1,491	3,031	276	748	132
Feed, Waste & Dockage	11,905	1,286	22,295	25,032	1,024	2,283	2,822
Carryover, July 31	1,470	184	3,242	3,215	591	118	220
TOTAL DISPOSITION	140,105	7,202	32,875	92,227	7,913	17,480	24,074

TABLE 26 (cont'd.)

1985-86	All Wheat	Durum	Oats	Barley	Rye	Flaxseed	Canola (Rapeseed)
				thousand tonnes			
SUPPLY							
Opening Stocks — Aug. 1	40	5	50	70	15	3	5
Production	5 226	327	555	2 526	172	559	635
TOTAL SUPPLY	5 266	332	605	2 596	187	562	640
DISPOSITION							
Marketings	4 836	277	101	1 582	119	453	536
Seed Requirements	187	15	18	56	3	18	3
Feed, Waste & Dockage	203	38	386	828	40	71	80
Carryover, July 31	40	2	100	130	25	20	20
TOTAL DISPOSITION	5 266	332	605	2 596	187	562	640
				thousand bushels			
SUPPLY							
Opening Stocks — Aug. 1	1,470	184	3,242	3,215	591	118	220
Production	192,024	12,015	35,987	116,019	6,771	22,007	27,998
TOTAL SUPPLY	193,494	12,199	39,229	119,234	7,362	22,125	28,219
DISPOSITION							
Marketings	177,694	10,178	6,549	72,661	4,645	17,834	23,633
Seed Requirements	6,971	551	1,167	2,572	118	709	132
Feed, Waste & Dockage	7,459	1,396	25,029	38,030	1,614	2,795	3,527
Carryover, July 31	1,470	73	6,484	5,971	984	787	882
TOTAL DISPOSITION	193,494	12,199	39,229	119,234	7,362	22,125	28,219

SOURCE: Statistics Canada.

TABLE 27 Stocks of Major Crops on Farms, Manitoba, July 31, 1983-1986

	All Wheat	Oats	Barley	Rye	Canola (Rapeseed)	Flaxseed
			thousand tonnes			
1982/83	270	60	200	15	14	10
1983/84	110	110	375	25	10	45
1984/85	70	60	70	5	2	5
1985/86	40	50	70	15	5	3
			thousand bushels			
1982/83	9,921	3,891	9,186	591	617	394
1983/84	4,042	7,133	17,224	984	441	1,772
1984/85	2,572	3,891	3,215	197	88	197
1985/86	1,470	3,242	3,215	591	220	118

SOURCE: Statistics Canada.

TABLE 28 **Producer Marketings, Manitoba, Crop Year 1985/86**

	Bread Wheat	Durum	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola (Rapeseed)
				'000 tonnes				
1985								
August	53	4	57	2	47	16	1	3
September	438	34	472	7	120	20	46	63
October	917	73	990	10	71	11	122	98
November	216	69	285	6	56	5	71	41
December	175	13	188	7	236	9	38	19
1986								
January	267	9	276	7	129	12	26	56
February	393	4	397	5	84	9	15	35
March	414	8	422	4	117	6	14	36
April	375	6	381	8	134	8	21	56
May	277	14	291	7	92	4	19	29
June	669	33	702	14	250	7	36	42
July	364	10	374	24	248	12	44	59
TOTAL	4 559	277	4 836	101	1 582	119	453	536

	Bread Wheat	Durum	All Wheat	Oats	Barley	All Rye	Flaxseed	Canola (Rapeseed)
				'000 bushels				
1985								
August	1,953	138	2,091	141	2,146	621	35	135
September	16,106	1,251	17,357	423	5,492	795	1,811	2,764
October	33,696	2,687	36,383	663	3,246	447	4,803	4,309
November	7,924	2,526	10,450	360	2,553	215	2,805	1,805
December	6,422	494	6,916	460	10,830	369	1,504	827
1986								
January	9,820	335	10,155	440	5,916	46	1,037	2,468
February	14,451	142	14,593	301	3,857	348	604	1,554
March	15,221	302	15,523	290	5,359	253	549	1,606
April	13,790	216	14,006	506	6,143	296	822	2,488
May	10,182	512	10,694	466	4,239	157	754	1,271
June	24,581	1,224	25,805	882	11,496	276	1,417	1,839
July	13,377	351	13,728	1,584	11,381	474	1,732	2,589
TOTAL	167,523	10,178	177,701	6,516	72,658	4,685	17,834	23,655

TABLE 29 **Marketings of Major Crops, Manitoba Crop Years 1982/83 to 1985/86**

	All Wheat	Oats	Barley	Rye	Canola (Rapeseed)	Flaxseed
			thousand tonnes			
1982/83	3 480	85	1 390	183	345	353
1983/84	3 029	79	1 232	163	304	285
1984/85	3 266	80	1 327	153	474	364
1985/86	4 836	101	1 582	119	536	453
			thousand bushels			
1982/83	127,869	5,512	63,843	7,204	15,212	13,897
1983/84	111,298	5,123	56,586	6,417	13,404	11,220
1984/85	120,006	5,187	60,949	6,023	20,900	14,330
1985/86	177,694	6,549	72,661	4,685	23,633	17,834

SOURCE: Statistics Canada; Agriculture Canada (C.G.C.).

TABLE 30 Number and Capacity of Licensed Primary Elevators, Manitoba

Permit Holders, Quota Areas, Manitoba, 1982/83 to 1985/86

	Permit Book Holders	Quota Areas	
		Hectares	Acres
		thousands	
1982/83	25,335	5 761	14,236
1983/84	25,163	5 868	14,500
1984/85	24,907	5 939	14,676
1985/86	24,641	6 064	14,984

SOURCE: Agriculture Canada — Grain Elevators in Canada.

TABLE 31 Gradings of Wheat and Barley 1985, 1986

	Bread Wheat (percent)			Durum Wheat (percent)	
	1985	1986		1985	1986
No. 1 C.W.R.S.	3.2	21.7	No. 1 C.W. Amber Durum	0.3	—
No. 2 C.W.R.S.	28.7	30.3	No. 2 C.W. Amber Durum	8.3	1.1
No. 3 C.W.R.S.	35.3	24.3	No. 3 C.W. Amber Durum	38.9	26.2
No. 1 & 2 Utility	5.4	2.5	No. 4 C.W. Amber Durum	42.6	56.7
HY 320	5.7	3.8	No. 5 C.W. Amber Durum	9.9	16.0
Others	21.7	1.5			
Canada Feed	—	15.9			
TOTAL ALL GRADES	100.0	100.0	TOTAL ALL GRADES	100.0	100.0

Barley Gradings 1985*

Grade	Percentage of Deliverable Quantities on Farms Crop Year 1985-86
	%
2 C.W. and higher, 2-Row and 6-Row	2.0
No. 1 Feed	88.5
No. 2 Feed	8.8
No. 3 Feed and lower	0.7
TOTAL ALL GRADES	100.0

SOURCE: Canadian Wheat Board — unpublished.

Barley Gradings 1986

Grade	Percentage of Deliverable Quantities on Farms Crop Year 1986-87
	%
Special Select	4.5
Select	9.3
1 C.W.	78.8
2 C.W. and Lower	7.4
TOTAL ALL GRADES	100.0

*Grading designations were changed for the 1986-87 crop year as follows:

Regular Pool Barley		Designated Barley	
1CW 6-Row	1CW	1CW 2-Row	Special Select
1CW 2-Row		2CW 2-Row	CW 2-Row
2CW 6-Row		1CW 6-Row	Special Select
2CW 2-Row		2CW 6-Row	CW 6-Row
1Feed			
2Feed	2CW	1Feed 2-Row	— Select CW 2-Row
3Feed		1Feed 6-Row	— Select CW 6-Row

TABLE 32 Average Protein Content of Spring Wheat in Manitoba, 1985, 1986

Percent Protein in Wheat No. 1 C.W.R.S.
(13.5% moisture content basis)

Crop District	1985 Mean	1985 Range	1986 Mean	1986 Range
1	12.6	9.3 - 17.4	13.5	11.0 - 15.5
2	13.2	9.6 - 17.5	13.4	10.8 - 16.2
3	13.0	10.3 - 15.9	13.0	10.4 - 15.7
4	12.7	10.1 - 16.7	13.1	10.8 - 17.0
5	11.7	9.1 - 15.3	12.3	10.5 - 15.5
6	12.0	8.7 - 14.8	12.7	9.1 - 14.8
7	13.4	10.4 - 17.2	13.5	10.2 - 16.7
8	13.2	10.0 - 17.4	13.9	11.1 - 16.2
9	13.1	10.5 - 16.3	13.6	10.6 - 15.7
10	13.0	10.5 - 14.8	13.3	11.9 - 15.2
11	13.3	10.5 - 15.3	13.0	10.9 - 15.3
12	12.8	10.6 - 14.8	13.1	11.2 - 15.3
PROVINCE	13.0	8.7 - 17.5	13.3	9.1 - 17.0

SOURCE: Agriculture Canada (C.G.C.)

TABLE 33 Canadian Wheat Board Monthly Average Cash Grain Prices, Basis In-Store Lower St. Lawrence, 1985-1986

A. 1985/86 Wheat Crop Prices

— Dollars per Tonne at St. Lawrence —
— Wheat Board Quotations —

Grade	1985 Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1985-86
1 C.W. Red Spring 13.5%	216.56	235.72	246.44	261.85	272.95	162.21
2 C.W. Red Spring 13.5%	210.96	230.12	240.84	256.25	267.35	—
3 C.W. Red Spring	200.96	220.12	230.84	246.25	257.35	146.21
No. 1 Canada Utility	196.96	216.12	226.84	242.25	253.35	142.21
No. 2 Canada Utility	188.96	208.12	218.84	234.25	245.35	128.21
1 C.W. Amber Durum	220.79	228.27	236.48	239.58	245.47	160.00
2 C.W. Amber Durum	215.79	223.27	231.48	234.58	240.47	157.21
3 C.W. Amber Durum	210.79	218.27	226.48	229.58	235.47	155.21

Grade	1986 Jan.	Feb.	March	April	May	June	July
1 C.W. Red Spring 13.5%	264.19	256.93	264.87	259.70	259.65	232.67	220.39
2 C.W. Red Spring 13.5%	258.59	251.33	259.27	254.10	254.05	227.07	214.79
3 C.W. Red Spring	248.59	241.33	249.27	244.10	244.05	217.07	204.79
No. 1 Canada Utility	244.59	237.33	245.27	240.10	240.05	213.07	200.79
No. 2 Canada Utility	236.59	229.33	237.27	232.10	232.05	205.07	192.79
1 C.W. Amber Durum	245.33	241.48	242.36	238.58	243.26	231.06	187.63
2 C.W. Amber Durum	240.33	236.48	237.36	233.58	238.26	226.06	182.63
3 C.W. Amber Durum	235.33	231.48	232.36	228.58	233.26	221.06	177.63

B. 1985/86 Oat Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	1985 Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1985-86
1 C.W.	101.67	95.64	99.85	105.83	104.58	106.00
2 C.W.	101.67	95.64	99.85	105.83	104.58	104.00
Ex. 1 Feed	100.67	94.64	98.85	104.83	103.58	102.00
1 Feed	94.44	90.87	95.85	101.35	100.38	100.00
2 Feed	90.94	87.37	92.35	97.85	96.88	95.92
3 Feed	87.94	84.37	89.35	94.85	93.88	92.92

	1986 Jan.	Feb.	March	April	May	June	July
1 C.W.	106.50	99.69	94.07	83.35	81.87	82.90	82.96
2 C.W.	106.50	99.69	94.07	83.35	81.87	82.90	82.96
Ex. 1 Feed	105.50	98.94	94.07	83.35	81.87	82.90	82.96
1 Feed	99.48	95.60	94.07	83.35	81.87	82.90	82.96
2 Feed	96.00	92.10	90.57	79.85	78.37	79.40	79.46
3 Feed	92.98	89.10	87.57	76.85	75.37	76.40	76.45

C. 1985/86 Barley Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	1985 Aug.	Sept.	Oct.	Nov.	Dec.	Initial Payment 1985-86
1 C.W. 6-Row	110.32	104.61	104.04	105.61	106.57	112.93
2 C.W. 6-Row	110.32	104.61	104.04	105.61	106.57	111.93
1 C.W. 2-Row	110.32	104.61	104.04	105.61	106.57	112.93
2 C.W. 2-Row	110.32	104.61	104.04	105.61	106.57	111.93
1 Feed	110.32	104.61	104.04	105.61	106.57	110.00
2 Feed	108.82	103.36	103.04	104.61	105.57	107.43
3 Feed	103.82	98.11	97.54	99.11	100.07	102.43

	1986 Jan.	Feb.	March	April	May	June	July
1 C.W. 6-Row	104.10	99.98	98.36	91.31	101.52	105.93	105.16
2 C.W. 6-Row	104.10	99.98	98.36	91.31	101.52	105.93	105.16
1 C.W. 2-Row	104.10	99.98	98.36	91.31	101.52	105.93	105.16
2 C.W. 2-Row	104.10	99.98	98.36	91.31	101.52	105.93	105.16
1 Feed	104.10	99.98	98.36	91.31	101.52	105.93	105.16
2 Feed	103.10	99.98	97.36	90.31	100.52	104.93	104.16
3 Feed	97.60	93.48	91.86	84.81	95.02	99.43	98.66

D. 1985/86 Canola (Rapeseed) Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	1985 July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	238.97	320.03	317.13	295.38	294.02	298.81
2 Canada	218.97	307.05	304.13	282.38	281.02	285.81

	1986 Jan.	Feb.	March	April	May	June
1 Canada	298.06	281.09	278.00	270.42	265.07	251.81
2 Canada	285.06	268.09	259.05	250.42	245.07	231.81

E. 1985/86 Flaxseed Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	1985 July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	246.90	310.15	307.26	323.03	293.94	309.39
2 Canada	244.90	308.15	305.26	321.03	291.94	307.39
3 Canada	212.35	275.15	272.26	288.03	258.94	274.39

	1986 Jan.	Feb.	March	April	May	June
1 Canada	310.03	300.02	289.45	280.13	272.51	260.94
2 Canada	308.03	298.02	287.45	278.13	270.51	258.94
3 Canada	274.85	264.42	254.45	245.13	237.51	225.94

F. 1985/86 Rye Crop Prices

— Dollars per Tonne at Thunder Bay —
— Winnipeg Commodity Exchange Cash Quotations —

Grade	1985 July	Aug.	Sept.	Oct.	Nov.	Dec.
1 Canada	98.17	111.29	116.94	114.75	117.64	122.15
2 Canada	96.16	109.29	114.94	112.75	115.64	120.15
3 Canada	88.16	81.29	86.94	84.75	87.64	92.15
Ergoty	59.16	72.29	77.94	75.75	78.64	83.15

	1986 Jan.	Feb.	March	April	May	June
1 Canada	118.16	108.26	100.20	94.75	107.54	103.52
2 Canada	116.16	106.26	98.20	92.75	105.49	101.02
3 Canada	88.16	78.26	70.20	64.75	77.49	73.02
Ergoty	79.16	69.26	61.20	55.75	68.49	64.02

TABLE 34A Grain Stored in Country Elevators at July 31, Manitoba

Year	— tonnes — All Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)	Rye
1972-73	300 400	43 500	254 000	9 300	19 900	13 000
1973-74	348 800	41 500	290 200	23 700	13 800	11 100
1974-75	171 100	84 000	159 500	27 900	24 900	20 400
1975-76	220 300	75 000	77 200	75 600	46 600	34 100
1976-77	225 400	43 300	225 400	37 500	9 700	48 900
1977-78	480 900	75 700	129 700	106 800	29 200	37 800
1978-79	497 400	58 600	96 900	84 900	70 600	32 300
1979-80	327 900	7 800	45 800	130 600	97 500	38 500
1980-81	266 200	14 900	218 300	54 500	61 500	21 900
1981-82	231 700	14 700	94 600	35 300	40 200	25 800
1982-83	420 400	15 800	138 900	86 900	24 900	52 800
1983-84	374 000	9 500	57 600	20 800	4 300	43 500
1984-85	82 400	14 800	115 300	20 400	43 900	46 300
1985-86	396 100	26 700	130 000	34 900	44 700	21 500

SOURCE: Canadian Grain Commission.

TABLE 34B Grain Stored in Country Elevators at July 31, Manitoba

Year	All Wheat	— million bushels — Oats	Barley	Flaxseed	Canola (Rapeseed)	Rye
1972-73	11.0	2.8	11.7	0.37	0.88	0.51
1973-74	12.8	2.7	13.3	0.93	0.61	0.44
1974-75	6.3	5.4	7.3	1.1	1.1	0.80
1975-76	8.1	4.9	3.5	3.0	2.1	1.3
1976-77	8.3	2.8	10.4	1.5	0.43	1.9
1977-78	17.7	4.9	6.0	4.2	1.3	1.5
1978-79	18.3	3.8	4.4	3.3	3.1	1.3
1979-80	12.0	0.51	2.1	5.1	4.3	1.5
1980-81	9.8	1.0	10.0	2.1	2.7	0.86
1981-82	8.5	1.0	4.3	1.4	1.8	1.0
1982-83	15.4	1.0	6.4	3.4	1.1	2.1
1983-84	13.7	0.62	2.6	0.82	0.19	1.7
1984-85	3.0	1.0	5.3	0.8	1.9	1.8
1985-86	14.6	1.7	6.0	1.4	2.0	0.85

SOURCE: Agriculture Canada; Statistics Canada.

TABLE 35A Total Grain Supply on Farms by Crop Year, Manitoba

Crop Year	All Wheat	— tonnes — Oats	Barley	Flaxseed	Canola (Rapeseed)
Stocks on Farms, July 31, 1986	40 000	100 000	130 000	20 000	20 000
Production, 1986	4 477 000	463 000	1 851 000	584 000	578 000
Total Farm Supply					
1986-87	4 517 000	563 000	1 981 000	614 000	598 000
1985-86	5 266 000	605 000	2 596 000	562 000	640 000
1984-85	3 813 000	507 000	2 008 000	444 000	546 000
1983-84	3 520 000	511 000	1 964 000	342 000	407 000
1982-83	3 971 000	584 000	2 573 000	447 000	413 000
1981-82	3 381 000	493 000	2 395 000	275 000	352 000
1980-81	2 232 000	324 000	1 699 000	287 000	386 000
1979-80	3 157 000	431 000	1 807 000	511 000	633 000
1978-79	3 320 000	817 000	2 286 000	356 000	585 000
1977-78	3 321 000	1 048 000	2 134 000	343 000	295 000
1976-77	2 885 000	1 034 000	1 568 000	170 000	152 000
1975-76	2 177 000	833 000	1 175 000	228 000	291 000
1974-75	1 742 000	771 000	1 328 000	176 000	198 000
1973-74	2 232 000	1 095 000	1 981 000	196 000	176 000

SOURCE: Statistics Canada; Agriculture Canada.

TABLE 35B Total Grain Supply on Farms by Crop Year, Manitoba

Year	All Wheat	— million bushels — Oats	Barley	Flaxseed	Canola (Rapeseed)
Stocks on Farms, July 31, 1986	1.5	6.5	6.0	0.79	0.88
Production, 1986	164.5	30.0	85.0	23.0	25.5
Total Farm Supply					
1986-87	166.0	36.5	91.0	24.2	26.4
1985-86	193.5	39.2	119.2	22.1	28.2
1984-85	140.1	32.9	92.2	17.5	24.1
1983-84	129.3	33.1	90.2	13.5	17.9
1982-83	145.9	37.9	118.2	17.6	18.2
1981-82	124.2	32.0	110.0	10.8	15.5
1980-81	82.0	21.0	78.0	11.3	17.0
1979-80	116.0	27.9	83.0	20.1	27.9
1978-79	122.0	53.0	105.0	14.0	25.8
1977-78	122.0	66.0	98.0	13.5	13.0
1976-77	106.0	67.0	72.0	6.7	6.7
1975-76	80.0	54.0	54.0	9.0	12.8
1974-75	64.0	50.0	61.0	6.9	8.7
1973-74	82.0	71.0	91.0	7.7	7.7

SOURCE: Statistics Canada, Agriculture Canada.

TABLE 36 Grain Storage Capacity in Manitoba, August 1, 1985 - 1986

Kind of Elevator	All Licensed Elevators 1985 Number	1985 Capacity	1986 Number	1986 Capacity
		(000 tonnes)		(000 tonnes)
Terminal	1	140.0	2	177.9
Process Elevators	13	190.9	13	152.9
Primary	305	1 124.5	292	1 114.8
TOTAL — Licensed Elevators	319	1 455.4	307	1 445.6
		(000 bushels)		(000 bushels)
Terminal	1	4,999.3	2	6,352.7
Process Elevators	13	6,816.9	13	5,460.0
Primary	305	40,155.1	292	39,808.7
TOTAL — Licensed Elevators	319	51,971.3	307	51,621.4

SOURCE: Agriculture Canada.

LIVESTOCK PRODUCTION

CATTLE

Production Value

During the past year, the production value of Manitoba cattle increased by $8.4 million from $261.2 million in 1985 to $269.6 million in 1986. The estimated average value per animal increased from $664 to $684 while production increased from 393,300 head to 394,100 head.

Marketings

Net commercial marketings of Manitoba origin cattle and calves decreased by 37,100 head from 1985, to total 408,700 in the current year. Marketings of slaughter cattle decreased by 12,480 head whereas marketings of slaughter calves declined by 1,390 head. Recorded shipments of Manitoba origin feeder cattle to the U.S. and Ontario were 115,150 head, a decrease of 3,580 head from a year earlier. Export sales of Manitoba slaughter cattle and calves to Ontario and the U.S. decreased from 39,550 in 1985 to 19,900 in 1986.

TABLE 37 Slaughter Cattle Sold by Month: Manitoba Origin

Month	Slaughter Cattle	Slaughter Calves	TOTAL (excluding exports)
January	18,553	254	18,807
February	20,802	289	21,091
March	27,040	364	27,404
April	22,004	296	22,300
May	21,574	303	21,877
June	32,268	296	32,564
July	22,698	193	22,891
August	21,428	201	21,629
September	25,367	348	25,715
October	18,828	280	19,108
November	18,544	335	18,879
December	21,108	292	21,400
YEAR	270,214	3,451	273,665

SOURCE: Agriculture Canada.

Disposal Sales

Of the total 377,430 cattle and 3,470 calves slaughtered in Manitoba during 1986, more than 26 per cent came from Saskatchewan. Of the total cattle slaughtered, 87 per cent were sold directly to packing plants on a rail grade basis and 13 per cent were marketed through public stockyards. Over 84,300 slaughter cattle were marketed through the Manitoba Beef Commission. In addition to the 273,665 Manitoba-produced cattle and calves slaughtered in the province, 4,200 slaughter animals were shipped to eastern Canada and about 15,700 slaughter cattle and calves were exported to the United States. An undetermined number of Manitoba cattle was sold to Alberta buyers in 1986.

Inventory

There were 1,114,720 head of cattle and calves on Manitoba farms as of June 3, 1986. This was a decrease of 5.2 per cent from the 1981 level. Beef cows declined by 11,300 head over the five years, while replacement heifers, slaughter heifers, steers and calves were down by 12,700, up by 8,700 and down by 12,500 and 10,000 head respectively.

TABLE 38 Cattle Numbers on Manitoba Farms, June 3, 1986

Crop District	Bulls	Cows (milk)	Cows (beef)	Heifers Over 1 year (milk)	Heifers Over 1 year (beef) (slaughter/ replacement)	Steers Over 1 Year	Calves Under 1 Year	TOTAL
1	1,846	2,247	34,676	711	12,039	10,451	32,906	94,876
2	2,514	4,808	43,114	2,034	15,670	18,099	42,588	128,827
3	1,877	4,021	36,359	1,406	11,682	10,967	34,642	100,954
4	1,378	1,760	23,389	480	7,001	5,609	21,918	61,535
5	621	786	13,089	227	4,025	3,838	11,764	34,350
6	2,706	2,566	56,921	893	15,470	12,011	51,832	142,399
7	1,948	8,737	37,494	4,183	13,177	15,523	37,738	118,800
8	1,835	7,792	26,625	3,384	11,346	16,878	29,155	97,015
9	1,187	18,700	13,351	9,411	6,485	6,944	21,229	77,307
10	575	2,420	10,041	1,110	2,816	1,745	9,620	28,327
11	974	6,525	15,272	3,248	6,058	6,156	16,385	54,618
12	3,025	4,605	67,795	2,147	20,304	16,545	61,291	175,712
PROVINCE	20,486	64,967	378,126	29,234	126,073	124,766	371,068	1,114,720

SOURCE: Statistics Canada.

During the past year the quality of cattle slaughtered in Manitoba declined slightly over the 1985 level. Of the total number of steers and heifers marketed, 94.8 per cent graded A1,2, compared to 94.9 per cent a year earlier.

TABLE 39 Slaughter Cattle by Grade, Manitoba Origin

	1985 Number	%	1986 Number
STEERS			
A1,A2 +450 kg (+1,000 lb)	110,570	85	N.A.
A1,A2 −450 kg (−1,000 lb)	4,155	3	N.A.
A3,A4	4,323	3	N.A.
B and C	10,478	9	N.A.
	129,526	100	127,413
HEIFERS			
A1,A2 +400 kg (+850 lb)	58,771	75	N.A.
A1,A2 −400 kg (−850 lb)	4,475	6	N.A.
A3,A4	3,007	4	N.A.
B and C	11,813	15	N.A.
	78,066	100	73,888
COWS			
D1,D2	35,549	50	N.A.
D3,D5	33,671	47	N.A.
D4	2,215	3	N.A.
	71,435	100	66,361
BULLS	3,667		2,552
CALVES			
White Veal	53	1	N.A.
Good Veal	1,056	22	N.A.
Good Butcher	1,593	33	N.A.
Common All Weights	2,140	44	N.A.
	4,842	100	3,451
TOTAL SLAUGHTER ANIMALS	287,536		273,665

SOURCE: Agriculture Canada.

Replacement Cattle Marketed in Manitoba

In 1986, 267,600 feeder cattle marketings were recorded by Manitoba public stockyards and auction markets. This was a decrease of 0.7 per cent from the previous year. Over 198,900 feeder cattle and calves were sold through Manitoba's eight major stockyards and auction markets, while 68,700 replacement cattle were marketed through the ten smaller markets in the province. Over 114,400 feeder cattle and calves were shipped to eastern markets in 1986, up by 3.8 per cent from 1985. Manitoba exported 750 feeders to the United States in 1986, down from 8,480 in 1985.

TABLE 40 Cattle Prices, St. Boniface Stockyards, 1986

	Cents per Kilogram Live	Dollars per 100 Pounds Live
SLAUGHTER CATTLE AND CALVES		
STEERS		
A1,A2 +450 kg (+1,000 lb)	168.9	76.62
A1,A2 −450 kg (−1,000 lb)	169.8	77.03
A3,A4	157.8	71.58
B and C	136.9	62.08
HEIFERS		
A1,A2 +400 kg (+850 lb)	159.0	72.11
A1,A2 −400 kg (−850 lb)	157.0	71.21
A3,A4	146.3	66.35
B and C	123.2	55.87
COWS		
D1,D2	110.4	50.07
D3	105.7	47.96
D4	93.3	42.34
BULLS	137.9	62.53
SLAUGHTER CATTLE AVERAGE	122.9	55.7
CALVES		
Good Veal	218.2	98.96
Good Butcher	161.9	73.44
Common All Weights	133.5	60.57
SLAUGHTER CALVES AVERAGE	178.7	81.06
FEEDERS		
GOOD STEERS		
+350 kg (+800 lb)	167.6	76.03
300-350 kg (700-800 lb)	176.0	79.85
250-300 kg (600-700 lb)	185.8	84.29
Common and Medium +250 kg (+600 lb)	137.9	62.53
GOOD STEER CALVES		
200-250 kg (500-600 lb)	202.6	91.92
150-200 kg (400-500 lb)	210.6	95.54
Under 150 kg (under 400 lb)	211.8	96.07
Common and Medium −250 kg (−600 lb)	149.7	67.92
GOOD HEIFERS		
+300 kg (+700 lb)	156.6	71.04
250-300 kg (600-700 lb)	162.8	73.86
200-250 kg (500-600 lb)	173.9	78.87
Common and Medium +200 kg (+500 lb)	133.5	60.56
GOOD HEIFER CALVES		
150-200 kg (400-500 lb)	186.9	84.77
100-150 kg (300-400 lb)	188.4	85.47
Under 100 kg (under 300 lb)	199.1	90.30
Common and Medium −200 kg (−500 lb)	141.7	64.28
FEEDER COWS	116.1	52.65
ALL FEEDERS AVERAGE	169.7	76.98

SOURCE: Agriculture Canada.

Prices

The weighted average price for top grade steers and D1,2 cows in 1986 increased by 0.4 per cent and 2.7 per cent, respectively, from the 1985 level. The weighted average prices in 1986 for good veal calves and good feeder steers over 350 kilograms (800 pounds), were down 1.2 and up 1.1 per cent, respectively, in comparison to 1985.

TABLE 41A **St. Boniface Stockyards Prices**
— Selected Grades —

— cents per kilogram —

	A1,2 Steers			D1,2 Cows			Feeder Steers Over 350 kilograms			Good Veal Calves		
Month	**5 Yr.**	**1985**	**1986**	**5 Yr.**	**1985**	**1986**	**5 Yr.**	**1985**	**1986**	**5 Yr.**	**1985**	**1986**
January	163.1	177.8	168.8	97.6	103.3	99.7	157.5	170.8	163.5	228.9	231.3	213.1
February	162.4	172.2	162.8	104.9	114.5	109.9	160.9	171.4	164.1	225.2	226.7	214.0
March	163.7	174.3	159.7	111.4	119.2	112.6	158.9	170.8	164.7	242.5	242.5	216.9
April	169.8	173.2	158.9	112.2	114.9	107.5	165.4	172.8	163.6	242.0	243.0	211.4
May	174.4	170.6	161.6	114.3	115.0	111.7	165.6	171.4	161.0	243.7	245.9	214.6
June	169.7	167.8	160.0	115.9	120.0	113.6	165.6	168.1	160.1	238.1	216.2	215.9
July	165.7	157.2	164.5	114.7	113.1	114.8	162.2	159.0	162.0	235.1	221.9	223.8
August	162.5	152.8	168.6	112.6	110.9	112.3	161.8	155.8	168.3	225.4	218.9	207.8
September	164.1	156.2	177.4	106.8	104.3	115.7	162.0	157.5	171.5	220.1	199.8	213.3
October	164.7	167.1	178.8	102.1	97.4	114.1	160.5	159.5	175.0	204.8	189.0	215.9
November	170.3	179.0	181.3	95.9	94.6	106.1	162.5	163.8	174.1	210.8	211.1	215.0
December	171.2	179.4	179.1	97.1	98.2	106.7	164.6	165.7	175.1	221.5	208.4	238.6
YEAR	166.8	168.3	168.9	106.3	107.5	110.4	163.3	165.8	167.6	231.1	220.7	218.2

TABLE 41B **St. Boniface Stockyards Prices**
— Selected Grades —

— dollars per 100 pounds —

	A1,2 Steers			D1,2 Cows			Feeder Steers Over 800 pounds			Good Veal Calves		
Month	**5 Yr.**	**1985**	**1986**	**5 Yr.**	**1985**	**1986**	**5 Yr.**	**1985**	**1986**	**5 Yr.**	**1985**	**1986**
January	73.98	80.63	76.57	44.29	46.85	45.22	71.44	77.47	74.17	103.83	104.94	96.66
February	73.67	78.13	73.85	47.58	51.92	49.87	72.97	77.76	74.45	102.16	102.83	97.09
March	74.27	79.08	72.42	50.55	54.05	51.06	72.06	77.46	74.73	109.98	110.02	98.40
April	77.00	78.55	72.09	50.89	52.10	48.76	75.01	78.37	74.20	109.79	110.21	95.91
May	79.12	77.40	73.28	51.85	52.16	50.68	75.11	77.73	73.02	110.56	111.55	97.35
June	76.97	76.10	72.60	52.59	54.41	51.54	75.11	76.24	72.63	108.00	98.09	97.93
July	75.17	71.30	74.63	52.02	51.30	52.08	73.56	72.12	73.48	106.65	100.67	101.53
August	73.69	69.29	76.49	51.08	50.29	50.94	73.41	70.69	76.32	102.24	99.31	94.27
September	74.42	70.84	80.47	48.45	47.30	52.49	73.47	71.46	77.79	99.84	90.65	96.76
October	74.73	75.79	81.11	46.30	44.16	51.75	72.81	72.37	79.40	92.91	85.72	97.93
November	77.25	81.21	82.26	43.50	42.90	48.11	73.73	74.30	78.98	95.60	95.74	97.54
December	77.66	81.38	81.23	44.06	44.52	48.39	74.66	75.15	79.43	100.46	94.51	108.21
YEAR	75.66	76.34	76.62	48.20	48.75	50.07	74.08	75.21	76.03	104.82	100.12	98.96

SOURCE: Agriculture Canada.

HOGS

Production

In 1986, Manitoba farmers produced 1,805,200 hogs, an increase of 3.6 per cent from 1985. An increase in the average value per head together with the improvement in production volume resulted in a $57,687,000 increase in total value of production over the 1985 value. Hogs produced in Manitoba were valued at an estimated $254,533,000 in 1986.

Marketings

Manitoba producers marketed 62,303 more hogs for slaughter in 1986 than in 1985. Hog marketings in all months, other than June, August, September and October, exceeded corresponding levels in 1985. The largest monthly increase in marketings, 17.8 per cent, occurred in December, 1986.

TABLE 42 **Hog Marketings by Month**

Month	— Animals from Manitoba — 1984	1985	1986
January	102,793	105,053	121,671
February	105,519	104,594	118,693
March	137,138	137,177	147,937
April	110,823	111,244	125,793
May	91,905	114,028	120,002
June	100,003	157,699	144,168
July	77,273	110,693	110,956
August	52,296	116,711	112,806
September	104,008	150,698	144,010
October	110,986	121,280	116,830
November	117,734	119,798	122,768
December	128,507	144,024	169,668
YEAR	1,238,985	1,492,999	1,555,302

SOURCE: Agriculture Canada.

Inventory

The total number of hogs on Manitoba farms on June 3, 1986 was 1,071,195 head, an increase of 22.4 per cent from the same period in 1981. Market hogs totalled 955,024, an increase of 23.4 per cent or 180,900 head from 1981. Sow numbers on farms, at 109,400 head in 1986 were 15.6 per cent above the 1981 level.

TABLE 43 **Hog Numbers on Farms, June 3, 1986**

Crop District	Under 20 kg (45 lb)	20 to 60 kg (45-130 lb)	Over 60 kg (130 lb)	Breeding Stock	Total
1	13,471	15,886	12,249	4,666	46,272
2	22,305	22,708	23,746	8,871	77,630
3	16,470	16,629	13,818	6,162	53,079
4	1,650	1,097	624	611	3,982
5	6,449	6,497	6,153	2,554	21,653
6	6,408	6,431	4,447	2,677	19,963
7	51,365	52,313	50,275	19,343	173,296
8	77,315	78,855	70,148	27,628	253,946
9	77,897	82,154	80,010	27,555	267,616
10	7,377	10,530	8,807	2,794	29,508
11	25,534	30,113	27,827	9,799	93,273
12	9,815	8,799	8,852	3,511	30,977
PROVINCE	316,056	332,012	306,956	116,171	1,071,195

SOURCE: Statistics Canada.

Quality

The general quality of Manitoba hogs declined slightly in 1986 relative to 1985. The percentage of hogs indexing 100 or better decreased to 82.3 per cent from 86.9 per cent in 1985.

Prices

The substantial improvement in the price of Index 100 hogs late in the second quarter and early in the third quarter of 1986 was followed by slightly lower prices in the fourth quarter. The highest average price received for Index 100 hogs was 217.7 cents per kilogram ($98.75 per hundredweight) in August. The average annual price of Index 100 hogs in 1986 was 178.8 cents per kilogram ($81.10 per hundredweight), up 22.4 per cent from 1985 and 14.9 per cent above the five-year average (1981-1985).

TABLE 44A Manitoba Monthly Average Weighted Hog Prices, 1984 - 1986

	— cents per kilogram —					
	Index 100			Sows		
Month	1984	1985	1986	1984	1985	1986
January	144.6	153.9	149.7	98.2	119.1	90.7
February	144.4	157.9	153.3	110.2	119.2	96.2
March	142.7	149.8	143.6	108.5	118.6	91.6
April	151.0	130.8	139.5	112.5	98.5	88.6
May	154.8	133.4	152.8	116.3	104.1	93.2
June	159.6	143.2	171.8	116.7	97.3	103.2
July	171.7	150.9	203.5	123.1	93.2	126.6
August	171.6	139.2	217.7	120.1	90.4	143.2
September	161.4	141.7	217.5	113.7	84.9	155.6
October	148.1	150.0	199.9	106.3	87.8	136.9
November	154.9	147.4	204.4	108.9	92.5	137.8
December	158.0	154.3	190.5	113.6	93.2	127.6
YEAR	154.5	146.1	178.8	112.0	98.3	116.8

SOURCE: Agriculture Canada.

TABLE 44B Manitoba Monthly Average Weighted Hog Prices, 1984 - 1986

	— dollars per 100 pounds —					
	Index 100			Sows		
Month	1984	1985	1986	1984	1985	1986
January	65.61	69.79	67.91	44.54	54.01	41.14
February	65.52	71.64	69.55	50.00	54.06	43.64
March	64.75	67.94	65.16	49.23	53.79	41.55
April	68.48	59.31	63.28	51.04	44.67	40.19
May	70.22	60.52	69.31	52.77	47.22	42.28
June	72.41	64.97	77.93	52.93	44.14	46.81
July	77.87	68.44	92.31	55.85	42.27	57.43
August	77.84	63.13	98.75	54.47	40.99	64.96
September	73.20	64.26	98.66	51.57	38.50	70.58
October	67.17	68.02	90.68	48.21	39.82	62.10
November	70.24	66.87	92.72	49.38	41.96	62.51
December	71.67	70.01	86.41	51.51	42.26	57.88
YEAR	70.10	66.25	81.10	50.81	44.59	52.98

SOURCE: Agriculture Canada.

SHEEP AND LAMBS

Marketing

Balance sheet estimates revealed that 22,200 sheep and lambs were marketed in Manitoba in 1986. Of these, 5,200 were slaughtered in federal and provincial institutions, 3,000 were marketed interprovincially and 10,100 were exported to the United States. Animals exported included some coming in from other provinces, although the exact number is unknown. Sales of sheep and lambs amounted to 77 927 kilograms (171,800 pounds) of sheep and 1 016 495 kilograms (2,241,000 pounds) of lamb. These sales were valued at $2.044 million. The recorded number of sheep and lambs marketed of Manitoba origin fell to 5,253 head in 1986, a decline of 54.8 per cent from 1986.

TABLE 45 Recorded Sheep and Lamb Marketings from Manitoba

Month	1983	1984	1985	1986
January	1,238	981	751	416
February	886	663	606	298
March	557	568	867	561
April	747	1,167	654	353
May	979	702	587	457
June	1,890	1,411	1,140	635
July	1,606	1,282	1,005	382
August	1,326	1,020	1,156	376
September	1,981	1,486	1,629	427
October	1,775	1,656	1,374	435
November	1,983	1,065	831	350
December	1,305	1,394	1,031	563
YEAR	16,273	13,395	11,631	5,253

SOURCE: Agriculture Canada.

Prices

Prices in 1986 for all grades of animals were up an average of 16.4 per cent from 1985. The average price for A and B lambs, 36 kilograms (80 pounds) and over, was $1.82 per kilogram ($82.46 per cwt). The five-year average was $1.50 per kilogram ($68.13 per cwt).

Wool Production

The total farm value of shorn wool production in 1986 was estimated at $41,000, a decrease of 20 per cent from the unrevised 1985 value. The average price received by producers was approximately $1.06 per kilogram (48 cents per pound). Production was 38 646 kilograms (85,200 pounds), a decrease of 21 per cent below the unrevised 1985 production.

DAIRY

Farm sales of milk in 1986 were estimated at 291 317 kilolitres, a marginal increase of 0.5 per cent from 1985. Cash receipts for all milk sold off the farm totalled $117,410,000, up 3.6 per cent from 1985. Supplementary payments decreased by 2.8 per cent below the 1985 level of $10,935,000.

The volume of milk sold for fluid purposes was 114 028 kilolitres in 1986, 2.9 per cent higher than in 1985. This represented 39.1 per cent of all sales in 1986, an increase of 0.90 per cent over 1985. Fluid sales generated 48.1 per cent of total milk and cream cash receipts sold off the farm in 1986, compared to the 48.4 per cent contribution in 1985.

By comparison, the volume of milk and cream sold off the farm for industrial use amounted to 177 289 kilolitres in 1986, representing 60.9 per cent of total sales compared to the 1985 figure of 61.8 per cent. In 1986, off-farm sales for industrial use contributed $50.3 million to milk and cream receipts, (42.8 per cent) compared to 42.0 per cent contribution in 1985.

TABLE 46 Volume of Milk and Cream Sold Off Farm

	Sold for Fluid	Sold for Industrial Use		Total Volume of Sales
		Delivered as Milk	Delivered as Cream	
	kilolitres			
1983	108 168	150 659	33 328	292 155
1984	109 197	156 778	31 338	297 313
1985	110 811	147 466	31 514	289 791
1986	114 028	147 843	29 446	291 317

SOURCE: Statistics Canada, Cat. No. 23-001.

TABLE 47 Cash Receipts from Milk and Cream Sold Off Farm

	Sold for Fluid Uses	Sold for Industrial Uses Delivered As Milk	Sold for Industrial Uses Delivered As Cream	Total Farm Sales	Supplementary Payments	Total Cash Receipts
			— thousands of dollars —			
1983	46,934	46,131	4,733	97,798	10,936	108,734
1984	51,565	48,833	4,528	104,926	11,246	116,172
1985	54,817	42,894	4,659	102,370	10,935	113,305
1986	56,474	45,891	4,417	106,782	10,628	117,410

SOURCE: Statistics Canada, Cat. No. 23-001.

Creamery Butter Production

In 1986 butter production was 3 859 000 kilograms, an increase of 3 per cent over 1985.

Cheddar Cheese Production

Cheddar cheese production in 1986 was 5 859 000 kilograms, down 9.4 per cent from the 1985 level. The ice-cream mix listed represents approximately one-half the actual ice-cream volume; two parts of ice-cream are made from one part of mix.

TABLE 48 Dairy Factory Production by Month, 1986

Month	Creamery Butter (000 kg)	Cheddar Cheese (000 kg)	Ice-Cream Mix (000 L)
January	331	510	661
February	257	495	531
March	342	525	619
April	351	507	897
May	410	526	853
June	340	487	1 099
July	331	497	939
August	296	442	766
September	286	464	707
October	308	445	662
November	288	452	458
December	319	509	446
YEAR	3 859	5 859	8 638

SOURCE: Statistics Canada.

Total Milk Supply

Total milk production in the 1986 dairy year (August 1, 1985 to July 31, 1986) was 263.29 million litres, up 0.6 per cent from the 1985 level of 261.80 million litres.

The 1986 (dairy year) producer price for class 1 milk was $53.00 per hectolitre ($23.34 per hundredweight), up $1.00 per hectolitre ($0.37 per hundredweight) from the price received in 1985.

Milk Cows

The number of milk cows on Manitoba farms as of June 3, 1986 was 65,000 head, a 21.9 per cent decline from the 1981 Census. Dairy replacement heifers on farms totalled 29,200, a 9.6 per cent decline from 1981.

POULTRY

The value of poultry-egg and meat production was estimated at $111,869 million in 1986. This was essentially the same as the revised 1985 value of $112,149 million. Although the number of eggs sold for consumption increased by 1.0 per cent above the 1985 level, the dollar value decreased by 2 per cent below 1985. Chicken meat production accounted for 17,756,000 birds in 1986, a 2 per cent increase over 1985. The dollar value of chicken meat production reached $33,697,000 in 1986, compared with the 1985 value of $33,837,000.

TABLE 49 Summary of Poultry Production

	— 1985 —			— 1986 —		
	Dozen (000)	Price (¢/doz)	Value ($000)	Dozen (000)	Price (¢/doz)	Value ($000)
EGGS						
Sold for consumption	49,661	87.4	43,416	50,110	85.4	42,657
Used on farms	693	87.4	625	685	85.4	603
Hatching (chicks)	2,128	220.0	4,938	2,042	224.0	4,736
	51,903		48,979	53,071		47,996
Hatching (turkeys)	346	704.0	2,436	353	701.0	2,475
TOTAL EGG VALUE	52,249		51,415	53,424		50,471
	Birds (000)	**Price ($ each)**	**Value ($000)**	**Birds (000)**	**Price ($ each)**	**Value ($000)**
MEAT						
Chicken:						
Broilers	13,365	1.90	25,394	13,753	1.83	25,168
Roasting	1,941	3.96	7,686	1,958	3.98	7,793
Fowl	2,104	0.36	757	2,045	0.36	736
	17,410		33,837	17,756		33,697
Turkeys:						
Broilers	347	7.08	2,457	354	6.70	2,372
Roasting	895	13.65	12,217	964	13.51	13,024
	1,242		14,674	1,318		15,396
Geese	256	8.53	2,184	254	9.87	2,499
Ducks	285	5.00	1,425	314	5.00	1,570
TOTAL MEAT VALUE			52,120			53,162
Started Pullets	2,360	3.65	8,614	2,320	3.55	8,236
TOTAL POULTRY PRODUCTION			112,149			111,869

SOURCE: Statistics Canada, Cat. No. 23-203 and 23-003; Manitoba Agriculture.

In 1986, the average product price for ungraded delivered eggs was 85.4 cents per dozen, 2.3 per cent below the average price of 87.4 cents per dozen last year. The monthly average delivered prices for all grades for 1981-1986 are shown below.

TABLE 50 Manitoba Egg Quota Allocation and Inventory, 1986

	LAYER NUMBERS	
Month	**Allocation**	**Inventory**
January	2,324,778	2,252,451
February	2,324,778	2,208,017
March	2,324,778	2,232,069
April	2,324,778	2,209,629
May	2,324,778	2,242,994
June	2,324,778	2,244,059
July	2,324,778	2,201,921
August	2,324,778	2,227,388
September	2,324,778	2,231,008
October	2,324,778	2,229,406
November	2,324,778	2,254,167
December	2,324,778	2,247,691

SOURCE: Canadian Egg Marketing Agency.

The average number of laying hens per month on Manitoba farms was 2,528,000 in January 1986 and 2,524,000 in December 1986, while the average number of layers per producer was 9,606 in 1986. The latter was 1.3 per cent below the 1985 figure of 9,727 birds. Production per bird at year-end was at a rate of 256 eggs per bird.

TABLE 51 Egg Prices to Producers, Winnipeg, 1981 - 1986

Month	ALL GRADES — cents per dozen delivered, ungraded — 1981	1982	1983	1984	1985	1986
January	83.1	83.2	80.5	89.8	88.3	84.7
February	84.6	83.4	81.0	91.6	89.5	86.9
March	84.5	83.1	81.3	92.1	89.7	87.7
April	84.4	80.9	81.5	88.7	87.4	86.2
May	84.8	80.4	82.4	88.6	86.6	84.2
June	85.2	81.5	82.3	88.5	87.5	84.9
July	86.5	82.9	81.9	91.2	87.8	85.6
August	88.5	84.8	81.0	90.9	87.3	88.7
September	86.3	84.6	82.5	89.8	86.5	82.3
October	86.6	83.7	86.7	91.3	86.4	86.0
November	85.2	81.6	87.9	90.1	86.1	84.9
December	84.0	80.4	89.7	88.4	85.3	81.3
YEAR	85.3	82.5	83.3	90.1	87.4	85.4

SOURCE: Canadian Egg Marketing Agency.

OTHER LIVESTOCK

HORSES

The 1986 Census of Agriculture indicated 5,540 farms reported 40,691 horses and ponies. This figure represents an increase of 30 per cent over the 1981 Census figure of 31,284. It was estimated that 182 farms supplied pregnant mare's urine from 12,500 mares for a gross value of $12,920,000. The latter is an increase of 22.8 per cent over 1985.

GOATS

The 1986 Census of Agriculture reported a total of 3,663 goats from 597 farms.

RABBITS

The 1986 Census of Agriculture reported a total of 643 rabbit farms with a rabbit population of 8,156.

OTHER PRODUCTS

FUR

Pelts are obtained from fur farms and wildlife sources. In the 1985/86 season, pelts from fur farms numbered 61,604, made up of 1,522 from foxes and 60,082 from mink. Fur farm pelts were valued at $1,806,080 with 89 per cent accounted for by mink pelts. The value of fur farm pelts was 16.6 per cent less than in 1984/85. The bulk of this decline was due to an 18.4 per cent drop in the value of mink pelts in 1985/86 even though the number of mink pelts was up by 1.1 per cent.

Wildlife pelts totalled 230,051 in 1985/86, a decline of 22.9 per cent below 1984/85. However, the value of wildlife pelts in 1985/86 was estimated at $5,061,210 compared with that of $4,784,524 in 1984/85, an increase of 5.8 per cent. The total number of pelts from both farms and wildlife marketed in Manitoba in 1985/86 was 291,655, 18.8 per cent less than in 1984/85. The total value of all fur pelts in 1985/86 was $6,867,290, a fall of 1.2 per cent from 1984/85. Table 52 shows fur statistics for 1984/85 and 1985/86.

TABLE 52 Fur Statistics, 1984/85 and 1985/86[1]

Fur Farms	**1984/85**	**1985/86**
Fox:		
Pelts	1 200	1,522
Value	$180,060	$189,885
Number of Farms	16(M) 2(S)	16(M) 2(S)
Mink:		
Pelts	59,425	60,082
Value	$1,980,389	$1,616,195
Number of Farms	28(M) 3(S)	27(M) 2(S)
TOTAL PELTS	60,625	61,604
TOTAL VALUE	$2,166,449	$1,806,080
Wildlife	**1984/85**	**1985/86**
Pelts	298,537	230,051
Value	$4,784,524	$5,061,210
TOTAL FURS		
Pelts	359,162	291,655
Value	$6,950,973	$6,867,290

[1] Manitoba fur farm statistics for 1984 and 1985 include Saskatchewan figures (due to confidentiality requirements) (M) Manitoba (S) Saskatchewan.

FOREST PRODUCTS

The value of production was estimated at $1,322,000 in 1986, up 10.5 per cent from 1985. This was based on total commercial sales and included plywood and fence posts from woodlots. The 1986 Census reported 124 217 hectares (306,948 acres) of woodlands compared to 284 184 hectares (613,277 acres) reported in the 1981 Census of Manitoba.

HONEY AND ALFALFA LEAFCUTTER BEES

Following the relatively harsh winter of 1985/86, many beekeepers reported higher than normal winter losses. Spring conditions were fair to good for the build-up of packaged bees and wintered colonies.

Conditions during July (the normal nectar flow period) were variable, but in many regions were poor for foraging because of cool and damp conditions. August conditions were generally excellent for both nectar production and foraging. The honey crop was extremely variable throughout Manitoba with some beekeepers reporting bumper crops while others produced less than average.

As a result of changes to the U.S. Commodity Credit Corporation allowing beekeepers to have commodity based loans forgiven at a subsidized price, large amounts of U.S. honey entered the market at low prices. This had the effect of reducing the market for Canadian honey and lowering the price. Beekeepers have reported a general decline in the price of honey since the 1986 crop was harvested.

TABLE 53 Honey Prices and Production, Manitoba, 1985, 1986

	1985	1986
Number of Beekeepers	1,350	1,300
Number of Colonies	120,000	110,000
Honey:		
Average kg/hive	73	73
Average lb/hive	160	160
Total Production — kg	8 727 000	7 983 000
Total Production — lb	19,200,000	17,600,000
Price/kg — ¢	121	110
Price/lb — ¢	55	50
TOTAL VALUE	$10,560,000	$8,800,000
Beeswax:		
Production — kg	130 905	119 745
Production — lb	288,000	264,000
Price/kg — ¢	374	275
Price/lb — ¢	170	125
TOTAL VALUE	$489,600	$330,000
TOTAL VALUE HONEY AND BEESWAX	$11,049,600	$9,130,000

SOURCE: Manitoba Agriculture.

Alfalfa Leafcutter Bees

Alfalfa leafcutter bees are managed to pollinate alfalfa for seed production. Weather conditions were generally favourable during July and August, resulting in an average bee reproduction and an average alfalfa seed crop.

TABLE 54 Production of Leafcutter Bees

	1985	1986
Number of Leafcutter Beekeepers	130	140
Number of Leafcutter Bees	175,000,000	185,000,000
Price of Leafcutter Bees (per bee)	$0.004	$0.008
TOTAL VALUE	$700,000	$1,480,000
Pedigreed Alfalfa Seed — ha	4 584	5 366
Pedigreed Alfalfa Seed — lb	11,327	13,260
Alfalfa Seed Production — kg	775 000	950 000
Alfalfa Seed Production — lb	1,700,000	2,094,000
Price/kg	$2.42	$2.65
Price/lb	$1.10	$1.20
TOTAL VALUE	$1,875,000	$2,517,000
TOTAL VALUE OF BEES AND SEED	$2,575,500	$3,997,000

SOURCE: Manitoba Agriculture.

RESOURCES

LAND AND FARMS

TABLE 55A Land Use by Area in Hectares, Manitoba, 1986

Crop District	— Improved Land — Crops	Fallow	Pasture	Other	Total	— Unimproved Land — Pasture	Woodland	Other	TOTAL LAND
					— hectares —				
1	524	40	22	8	594	114	3	29	740
2	524	54	32	10	620	179	7	51	857
3	464	89	28	10	591	155	14	80	840
4	186	56	22	5	269	78	9	37	393
5	190	31	15	4	240	59	8	31	338
6	351	55	37	9	452	331	21	61	865
7	661	35	33	13	742	129	12	32	915
8	768	20	16	11	815	79	8	29	931
9	338	31	12	9	390	55	8	15	468
10	72	14	8	3	97	42	10	21	170
11	215	33	13	6	267	68	5	10	350
12	225	52	38	11	326	425	20	103	874
PROVINCE	4 518	510	275	99	5 403	1 714	125	499	7 741

SOURCE: Statistics Canada.

TABLE 55B Land Use by Area in Acres, Manitoba, 1986

Crop District	— Improved Land — Crops	Fallow	Pasture	Other	Total	— Unimproved Land — Pasture	Woodland	Other	TOTAL LAND
					— thousand acres —				
1	1,295	98	55	20	1,468	283	8	72	1,831
2	1,295	133	78	25	1,531	442	17	126	2,116
3	1,146	219	68	24	1,457	382	33	196	2,068
4	461	138	54	12	665	193	22	91	971
5	468	76	37	10	591	147	21	78	837
6	868	137	92	23	1,120	818	52	152	2,142
7	1,635	87	81	32	1,835	319	28	79	2,261
8	1,898	49	39	27	2,013	196	19	72	2,300
9	835	76	30	23	964	136	20	37	1,157
10	179	34	20	7	240	103	25	51	419
11	531	81	31	15	658	168	13	26	865
12	556	129	93	27	805	1,050	49	254	2,158
PROVINCE	11,167	1,258	678	245	13,347	4,237	307	1,234	19,125

TABLE 56 Summerfallow Area, 1985-1986

Crop District	— 000 hectares — 1984	1985	— 000 acres — 1984	1985
1	37	40	92	98
2	58	53	143	132
3	74	88	183	218
4	52	55	129	137
5	17	31	41	76
6	42	55	104	136
7	14	36	35	87
8	11	20	31	49
9	13	31	31	76
10	8	14	19	34
11	15	32	36	80
12	23	52	56	128
PROVINCE	364	506	900	1,250

SOURCE: Statistics Canada.

FARM NUMBER, SIZE, TYPES

The 1986 Census, taken on June 3rd, defines a farm as a farm, ranch or other agricultural holding with sales of agricultural products during the past 12 months of $250 or more.

In 1986, the total amount of all farms in Manitoba numbered 27,336, a 7.2 per cent decline from 1981. Each farm averaged 283 hectares (700 acres). Details about farm size, numbers and product sales for Manitoba in 1986 are listed below.

TABLE 57 Size and Number of Farms by Area, 1986

Crop District	Census Farms (sales ≥ $250) Number	Hectares	Acres	Number of Census Farms (with sales ≥ $2,500) Number	% of All Farms	Number of Census Farms (with sales ≥ $10,000) Number	% of All Farms
1	1,952	380	939	1,901	97	1,771	91
2	2,576	332	822	2,437	95	2,188	85
3	2,630	318	787	2,505	95	2,214	84
4	1,288	305	754	1,207	94	996	77
5	1,214	279	690	1,132	93	934	77
6	2,506	346	855	2,327	93	1,877	75
7	3,076	297	735	2,903	94	2,594	84
8	3,982	234	577	3,830	96	3,531	89
9	3,024	155	383	2,638	87	2,112	70
10	886	191	473	735	83	486	55
11	1,860	188	465	1,578	85	1,173	63
12	2,342	373	922	2,069	88	1,553	66
PROVINCE	27,336	283	700	25,262	92	21,429	78

SOURCE: Statistics Canada.

TABLE 58 Farm Types By Area of Land and Number of Animals, 1986

Crop District	— CROPS — Wheat	Oats	Barley	Percent of Farms With Flax	Canola (Rapeseed)	— LIVESTOCK — Cattle	Hogs	Sheep	Poultry
1	98	25	51	29	28	54	9	1	17
2	69	32	53	22	23	55	11	2	18
3	80	26	62	20	31	54	12	1	22
4	76	34	50	9	34	64	9	2	26
5	77	30	46	31	27	43	13	2	21
6	64	33	36	15	30	60	11	2	23
7	70	27	43	41	31	46	12	2	16
8	79	14	47	54	30	42	20	1	15
9	50	16	30	23	8	42	17	2	20
10	37	23	21	16	11	52	11	3	20
11	54	17	27	18	12	41	11	2	15
12	30	19	28	11	16	66	10	2	21
PROVINCE	66	24	43	27	24	51	13	2	19

SOURCE: Statistics Canada.

LAND VALUES

Capital Investment

The average capital investment in land and buildings was $266,141 per farm, based on the 1981 Census. This value has increased substantially since 1976, reflecting trends towards increased farm size and higher land values. However, since 1981, capital investment in land and buildings has declined as land values have fallen. In 1986 the total value of capital invested in land and buildings was estimated at $6,584,281,000, down 7 per cent from the total in 1985. On a per farm basis, the average investment in land and buildings in 1986 was $240,865, down 9.5 per cent from the 1985 level. The estimated transaction prices per hectare (acre) of farmland by crop district is listed below.

TABLE 59 Average Transaction Prices of Farmlands, 1984 - 1986
(Buildings Included)

Crop District	Dollars per Hectare			Dollars per Acre		
	1984	1985	1986	1984	1985	1986
1	722	781	660	292	316	267
2	751	768	680	304	311	275
3	650	645	602	263	261	244
4	571	640	718	231	259	290
5	699	778	706	283	315	286
6	474	472	520	192	191	210
7	1,159	1,169	863	469	473	349
8	1,448	1,334	1,283	586	540	519
9	1,478	1,871	1,764	598	757	714
10	573	657	639	232	266	259
11	1,179	1,448	1,649	477	586	667
12	376	395	460	152	160	186
PROVINCE	882	928	867	357	376	351

SOURCE: Manitoba Farm Lands Ownership Board.

TENURE

TABLE 60 Farms Classified by Tenure of Operator — 1986 Census

	No. of Operators	Total Hectares	Total Acres
Owner	25,091	4 871 428	12,037,564
Renters/Leasees	13,552	2 868 798	7,088,953
From Government	3,075	929 248	2,296,218
From Other Sources	11,729	1 939 550	4,792,735
TOTAL		7 740 226	19,126,517

SOURCE: Statistics Canada.

PEOPLE

Population

Manitoba's farm population continues to decline with the consolidation of farms. In 1986 there were 86,505 people on Census farms. Of the 27,336 farm operators, 10.6 per cent did not live on the farms they operated, 1.3 per cent lived on their farms four months or less, 1.9 per cent lived there five to eight months and 86.2 per cent lived on their farms nine to twelve months. About 44.4 per cent of the operators were between 35 and 54 years of age, 22.2 per cent under 35 years, 21.6 per cent between 55 and 64, and 11.8 per cent over 65 years of age.

Census Farm Labour

The 1986 Census of Agriculture revealed that 9,714 farms reported 1,536,485 days of total off-farm work by farm operators in 1985. Of this, 2,179 farms reported 235,001 days of agricultural work and 8,102 farms reported 1,301,484 days of non-agricultural work.

Hired Agricultural Labour. The 1986 Census of Agriculture also reported that 12,140 farms hired paid labour for 342,706 weeks. This included the hiring of 167,867 weeks of year-round labour by 2,617 farms and 174,838 weeks of seasonal labour by 10,798 farms.

FARM WAGES

In 1986, the average per month wage rate, with and without board, increased by 5.7 and 5.8 per cent respectively over the 1985 values. The total cost of hired labour in 1986 was $87,580,000, up 11 per cent from the 1985 level.

TABLE 61 Average Annual Wages of Farm Labour in Manitoba, 1984 - 1986

(dollars)

	Per Hour			Per Day			Per Month		
	1984	1985	1986	1984	1985	1986	1984	1985	1986
With Board	4.95	4.98	5.04	40.43	43.57	45.44	814.50	841.00	889.00
Without Board	5.51	5.79	6.01	51.74	54.20	56.21	956.00	1,010.75	1,069.25

SOURCE: Statistics Canada.

CAPITAL

Investment in Agriculture

In 1986, average investment per Manitoba farm reporting in the 1986 Census amounted to $349,525, a decrease of 1.5 per cent below 1981. Land and buildings accounted for 68.9 per cent, machinery for 23.4 per cent and livestock for 7.7 per cent (respectively) of the total capital investment. Total provincial investment in agriculture was $9,554,604,449 in 1986, 8.6 per cent below 1981. Capital investment per farm reporting by area is listed below.

TABLE 62 Capital Investment Per Farm Reporting By Area, 1986

Crop District	Land and Buildings	Machinery and Equipment	Livestock	Total
		— dollars per farm —		
1	288,730	113,681	43,904	428,674
2	251,804	91,322	45,647	370,326
3	208,587	83,874	35,424	313,334
4	179,993	70,664	35,847	274,452
5	194,133	71,921	30,005	282,876
6	154,967	64,321	43,354	247,847
7	320,091	103,213	50,491	449,689
8	331,555	107,827	36,039	457,056
9	261,951	72,432	46,632	362,076
10	137,384	44,453	35,212	204,766
11	232,534	69,986	42,255	325,221
12	135,084	54,313	55,217	229,420
PROVINCE	240,864	83,380	42,860	349,525

SOURCE: Statistics Canada.

TABLE 63 Value of Farm Capital, By Province, 1982 - 1986

	— thousand dollars —				
	1982	1983	1984	1985	1986
CANADA	131,666,112	127,256,065	123,033,180	115,279,340	109,675,710
Manitoba	9,761,660	9,641,818	9,251,055	8,774,220	9,554,604
British Columbia	8,049,991	8,234,745	8,063,596	7,696,793	6,487,881
Alberta	37,398,906	35,545,314	33,445,951	31,509,401	28,623,414
Saskatchewan	33,417,720	32,617,330	31,642,133	28,815,056	29,254,246
Ontario	30,890,795	29,057,096	28,550,681	26,806,824	23,737,180
Quebec	9,817,556	9,849,127	9,799,638	9,416,771	9,446,060
New Brunswick	663,220	650,146	658,879	659,116	760,748
Nova Scotia	888,914	888,017	865,443	849,737	966,739
Prince Edward Island	666,250	662,206	646,645	642,150	738,632
Newfoundland	111,100	110,266	109,159	109,272	106,205

SOURCE: Statistics Canada

SELECTED RESOURCES

MACHINERY

The number of farm trucks licensed for operation in Manitoba in 1986 was 67,024, an increase of 285 above the 1985 total of 66,739.

TABLE 64 Farm Machinery Numbers and Sales

	Number on Manitoba Farms	Sales During		
	1981	1984	1985	1986
Tractors	67,342	1,550	1,641	1,378
Combines:				
self-propelled	16,309	426	542	452
pull-type	6,322	154	267	139
Balers:				
hand portable bales	11,927	97	91	126
large round bales	3,767	286	328	403
Swathers and Windrowers	24,291	787	867	430

SOURCE: Statistics Canada; Canadian Farm and Industrial Equipment Institute.

FERTILIZER

The volume of sales excluding mixed fertilizers, increased from 661 800 tonnes (729,600 tons) in 1985 to 673 400 tonnes (742,400 tons) in 1986.

TABLE 65 Sales in Manitoba, July 1 to June 30, 1985 and 1986

	— thousands —			
	Tonnes Sold		Tons Sold	
Formulation	1985	1986	1985	1986
Types:				
Ammonium Phosphate	210.8	213.1	232.4	234.9
Ammonium Nitrate	76.8	70.6	84.7	77.8
Urea	170.3	168.7	187.7	186.0
Anhydrous Ammonia	106.7	109.0	117.6	120.2
Nitrogen Solutions	58.1	66.6	64.1	73.4
Ammonium Sulphate	10.6	11.0	11.7	12.1
Potassium Chloride	23.5	31.8	25.9	35.1
Other Fertilizer Materials[1]	5.0	2.6	5.5	2.9
TOTAL FERTILIZER SALES	661.8	673.4	729.6	742.4

[1] Includes other nitrogen, other phosphates and other fertilizers.
SOURCE: Statistics Canada; Western Canada Fertilizer Association.

HERBICIDES

In 1986, 4.7 million kilograms (10.4 million pounds) of active ingredients of herbicides were used for agricultural purposes in Manitoba. This represented an increase of 25 per cent over the total usage of 1985. Use of 2,4-D increased by 27 per cent, TCA by 44 per cent and MCPA by 11 per cent. Although the use of other chemicals declined by 5 per cent from 1985, Bromoxynil-Dicamba increased by 49 per cent and wild oat herbicides increased by 35 per cent over their respective 1985 figures.

The area treated for wild oats in 1986 rose above 1985 by 35 per cent to 2 737 600 hectares (6,764,800 acres) in 1986 from 2 021 600 hectares (4,995,600 acres) in 1985.

TABLE 66 Herbicides Used for Agricultural Purposes in Manitoba

	1984	1985[R]	1986
	'000 kilograms of active ingredients		
2,4-D	**584**	**507**	**645**
Ester	64	101	151
Amine	520	406	494
TCA	**139**	**62**	**89**
MCPA	**466**	**431**	**479**
Ester	29	36	46
Amine	392	347	380
Na+, K+, Salt	45	48	53
OTHER CHEMICALS	**705**	**781**	**745**
BROMOXYNIL & DICAMBA	**545**	**464**	**690**
WILD OAT HERBICIDES	**1 851**	**1 543**	**2 085**
TOTAL	**4 290**	**3 788**	**4 733**
	'000 pounds of active ingredients		
2,4-D	**1,287**	**1,118**	**1,422**
Ester	141	223	333
Amine	1,146	895	1,089
TCA	**306**	**137**	**196**
MCPA	**1,027**	**950**	**1,056**
Ester	64	79	101
Amine	864	765	838
Na+, K+, Salt	100	106	117
OTHER CHEMICALS	**1,554**	**1,722**	**1,642**
BROMOXYNIL & DICAMBA	**1,201**	**1,023**	**1,521**
WILD OAT HERBICIDES	**4,081**	**3,402**	**4,597**
TOTAL	**9,456**	**8,352**	**10,434**
WILD OAT HERBICIDES		area treated	
Hectares	1 985 600	2 021 600	2 737 600
Acres	4,906,600	4,995,600	6,764,800

SOURCE: Manitoba Agriculture.

WEATHER

TABLE 67 Weather Record for the Year 1986, Winnipeg
Compiled by Weather Office, Atmospheric Environment Service

	Temperature		Precipitation		Sunshine		
	Mean	Normal	1986	Normal	Percent of Normal		
Month	°C	°C	mm	mm	Hours	Possible	Hours
January	-13.1	-19.3	9.6	21.3	99.7	37.3	121.2
February	-15.0	-15.6	12.9	17.5	94.5	33.5	144.2
March	-4.4	-8.2	16.9	22.7	189.4	51.5	176.2
April	4.5	3.4	98.3	38.5	185.8	45.0	219.8
May	14.0	11.3	25.2	65.7	313.8	65.8	265.6
June	16.8	16.8	59.2	80.1	303.5	62.1	276.1
July	19.5	19.6	118.0	75.9	291.2	59.1	315.6
August	17.5	18.3	17.0	75.2	314.3	70.1	283.3
September	11.7	12.4	47.5	53.3	151.7	40.0	184.6
October	5.4	6.1	11.6	30.9	188.8	56.5	151.5
November	-9.6	-4.5	48.4	25.2	107.1	39.3	90.7
December	-10.1	-14.0	6.4	19.2	113.6	44.8	92.6
YEAR	3.1	2.2	471.0	525.5	2,353.4	52.6	2,321.4

SOURCE: Environment Canada

TABLE 68A Precipitation at Various Manitoba Points, 1986

— millimetres —

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	34.0	16.0	13.0	63.3	30.6	74.4	100.8	12.0	50.2	15.6	36.6	14.0	460.5
Birtle	25.4	31.6	15.6	33.2	67.3	93.6	106.2	51.4	51.4	29.7	15.3	8.6	529.3
Brandon A	22.0	10.3	19.7	63.1	68.4	72.5	79.0	19.9	55.3	23.2	11.1	7.8	452.3
Carman	23.0	18.0	9.0	83.6	67.0	81.2	97.8	18.4	53.8	15.6	33.2	5.0	505.6
Churchill A	25.9	7.6	29.4	46.2	29.6	118.3	48.8	74.7	43.2	41.7	9.9	22.6	497.9
Cypress River	16.4	11.2	11.2	91.4	50.4	77.2	111.4	38.6	58.8	23.5	20.0	8.8	518.9
Dauphin A	11.6	14.0	36.1	55.5	61.7	36.0	66.1	57.8	72.8	21.1	28.6	12.4	473.7
Emerson	24.0	18.8	18.2	77.6	47.6	49.0	110.7	37.2	60.4	25.3	54.7	21.4	544.9
Flin Flon	18.0	9.4	22.1	48.3	60.1	40.6	149.8	43.8	52.5	26.0	18.6	23.8	513.0
Gimli	13.4	16.0	35.8	56.4	34.4	41.3	63.6	49.2	58.2	12.8	54.3	11.5	446.9
Hamiota	42.0	19.7	16.4	69.7	74.8	58.2	88.0	36.2	40.8	23.5	25.0	29.2	523.5
Lundar	5.8	6.8	11.6	67.5	32.7	25.6	115.7	17.0	41.8	5.0	31.6	8.2	369.3
McCreary	24.0	17.0	38.0	93.5	87.0	53.6	98.6	34.6	67.4	31.4	22.0	12.0	579.1
Morden AC	16.2	11.0	11.4	96.6	77.0	34.8	99.2	19.6	46.2	13.6	52.4	3.0	481.0
Morris	14.8	15.2	4.8	94.2	44.0	109.6	148.0	31.4	59.4	16.6	50.8	13.0	601.8
Neepawa	19.6	17.0	30.2	87.0	60.4	63.8	118.4	41.8	44.4	18.6	40.2	8.2	549.6
Pierson	12.8	22.6	13.8	51.8	60.2	74.8	196.6	18.2	53.6	22.6	35.8	10.2	573.0
Pilot Mound	13.6	13.4	14.2	104.4	28.6	50.2	153.0	38.2	56.2	N.A.	N.A.	N.A.	N.A.
Pinawa	9.9	18.9	31.3	89.9	17.7	94.5	99.6	22.0	90.3	14.4	55.9	9.4	553.8
Portage la Prairie	11.2	13.1	25.0	96.5	45.9	92.8	149.1	20.8	65.9	14.1	44.6	10.3	589.3
Roblin	N.A.	N.A.	N.A.	N.A.	38.6	46.4	129.8	15.5	57.5	17.6	9.0	9.5	N.A.
Russell	39.6	23.6	43.8	32.3	62.0	94.6	101.8	28.0	64.4	25.8	13.2	27.0	556.1
Souris	29.0	20.0	14.2	57.6	72.6	73.0	108.0	8.6	41.6	28.8	15.6	5.4	474.4
Sprague	22.2	25.0	14.2	104.0	81.0	78.0	142.6	48.6	60.2	17.8	79.0	18.0	690.6
Steinbach	11.0	5.5	1.2	61.0	41.5	94.8	93.0	19.0	91.7	19.7	43.8	6.0	488.2
Swan River	12.6	19.3	45.0	60.0	26.0	117.4	135.4	47.4	83.0	29.8	19.6	16.2	611.7
The Pas A	15.9	2.8	36.0	49.0	26.1	41.4	116.4	95.4	58.8	28.0	17.6	21.8	509.2
Thompson A	32.6	9.7	19.0	63.7	61.6	99.3	210.6	64.3	38.7	35.1	13.8	33.4	681.8
Turtle Mountain	12.0	21.5	3.5	89.1	74.6	46.8	123.6	30.4	64.0	26.3	35.0	10.5	537.3
Virden	16.3	12.4	19.0	40.8	76.2	53.7	99.4	21.0	37.1	19.8	20.1	7.8	423.6
Winnipeg A	9.6	12.9	16.9	98.3	25.2	59.2	118.0	17.0	47.5	11.6	48.4	6.4	471.0

SOURCE: Environment Canada.

TABLE 68B Precipitation at Various Manitoba Points, 1986

— inches —

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	YEAR
Altona	1.3	0.63	0.51	2.5	1.2	2.9	4.0	0.47	2.0	0.61	1.4	0.55	18.07
Birtle	1.0	1.2	0.61	1.3	2.6	3.7	4.2	2.0	2.0	1.2	0.60	0.34	20.75
Brandon A	0.87	0.41	0.78	2.5	2.7	2.9	3.1	0.78	2.2	0.91	0.44	0.31	17.90
Carman	0.91	0.71	0.35	3.3	2.6	3.2	3.8	0.72	2.1	0.61	1.3	0.20	19.80
Churchill A	1.0	0.30	1.2	1.8	1.2	4.7	1.9	2.9	1.7	1.6	0.39	0.89	19.58
Cypress River	0.64	0.44	0.44	3.6	2.0	3.0	4.4	1.5	2.3	0.92	0.79	0.35	20.38
Dauphin A	0.45	0.55	1.4	2.2	2.4	1.4	2.6	2.3	2.9	0.83	1.1	0.49	18.62
Emerson	0.94	0.74	0.72	3.1	1.9	1.9	4.4	1.5	2.4	1.0	2.2	0.84	21.64
Flin Flon	0.71	0.37	0.87	1.9	2.4	1.6	5.9	1.7	2.1	1.0	0.73	0.94	20.22
Gimli	0.53	0.63	1.4	2.2	1.4	1.6	2.5	1.9	2.3	0.50	2.1	0.45	17.51
Hamiota	1.7	0.78	0.64	2.7	2.9	2.3	3.5	1.4	1.6	0.92	0.98	1.1	20.52
Lundar	0.23	0.27	0.46	2.7	1.3	1.0	4.6	0.67	1.6	0.20	1.2	0.32	14.55
McCreary	0.94	0.67	1.5	3.7	3.4	2.1	3.9	1.4	2.7	1.2	0.87	0.47	22.85
Morden AC	0.64	0.43	0.45	3.8	3.0	1.4	3.9	0.77	1.8	0.54	2.1	0.12	18.95
Morris	0.58	0.60	0.19	3.7	1.7	4.3	5.8	1.2	2.3	0.65	2.0	0.51	23.53
Neepawa	0.77	0.67	1.2	3.4	2.4	2.5	4.7	1.6	1.7	0.73	1.6	0.32	21.59
Pierson	0.50	0.89	0.54	2.0	2.4	2.9	7.7	0.72	2.1	0.89	1.4	0.40	22.44
Pilot Mound	0.54	0.53	0.56	4.1	1.1	2.0	6.0	1.5	2.2	N.A.	N.A.	N.A.	N.A.
Pinawa	0.39	0.74	1.2	3.5	0.70	3.7	3.9	0.87	3.6	0.57	2.2	0.37	21.74
Portage la Prairie	0.44	0.52	0.98	3.8	1.8	3.7	5.9	0.82	2.6	0.56	1.8	0.40	23.32
Roblin	N.A.	N.A.	N.A.	N.A.	1.5	1.8	5.1	0.61	2.3	0.69	0.35	0.37	N.A.
Russell	1.6	0.93	1.7	1.3	2.4	3.7	4.0	1.1	2.5	1.0	0.52	1.1	21.85
Souris	1.1	0.79	0.56	2.3	2.9	2.9	4.3	0.34	1.6	1.1	0.61	0.21	18.71
Sprague	0.87	0.98	0.56	4.1	3.2	3.1	5.6	1.9	2.4	0.70	3.1	0.71	27.22
Steinbach	0.43	0.22	0.05	2.4	1.6	3.7	3.7	0.75	3.6	0.78	1.7	0.24	19.17
Swan River	0.50	0.76	1.8	2.4	1.0	4.6	5.3	1.9	3.3	1.2	0.77	0.64	24.17
The Pas A	0.62	0.11	1.4	1.9	1.0	1.6	4.6	3.8	2.3	1.1	0.69	0.86	19.98
Thompson A	1.3	0.38	0.75	2.5	2.4	3.9	8.3	2.5	1.5	1.4	0.54	1.3	26.77
Turtle Mountain	0.47	0.85	0.14	3.5	2.9	1.8	4.9	1.2	2.5	1.0	1.4	0.41	21.07
Virden	0.64	0.49	0.75	1.6	3.0	2.1	3.0	0.83	1.5	0.78	0.79	0.31	15.79
Winnipeg A	0.38	0.51	0.67	3.9	0.99	2.3	4.6	0.67	1.9	0.46	1.9	0.25	18.53

AC: Agriculture Canada A: Airport
NOTE: Totals may not add due to conversion to metric.
SOURCE: Environment Canada.

PAST TRENDS

TABLE 69 Historical Production Value Summary

Year	Crops	Livestock	Honey & Wax	Other	Total
			- million dollars -		
1952	252	110	0.5	3.5	366
1953	186	96	0.7	3.3	286
1954	143	101	0.6	3.4	248
1955	172	106	0.9	4.1	283
1956	208	103	0.9	4.1	316
1957	157	110	0.9	4.1	272
1958	195	141	0.8	4.2	341
1959	201	132	0.8	4.2	338
1960	224	124	0.9	3.1	352
1961	137	135	1.0	4.0	277
1962	293	129	0.8	3.2	426
1963	243	135	1.1	3.9	383
1964	295	134	1.0	3.0	433
1965	321	143	1.1	3.9	469
1966	322	165	1.4	3.6	492
1967	307	164	1.6	3.4	476
1968	294	164	0.7	3.3	462
1969	264	209	1.5	3.5	478
1970	233	223	1.5	1.5	459
1971	338	206	1.4	1.6	547
1972	437	253	3.0	1.0	694
1973	929	355	3.9	2.1	1,290
1974	708	339	3.5	3.5	1,054
1975	767	326	3.2	4.8	1,101
1976	741	330	4.8	7.2	1,083
1977	851	345	5.2	7.8	1,209
1978	1,077	428	8.0	4.0	1,517
1979	1,028	537	9.3	5.7	1,580
1980	1,122	533	9.3	4.7	1,669
1981	1,451	524	10.7	5.3	1,991
1982	1,434	562	11.0	7.8	2,015
1983	1,383	583	9.9	8.5	1,985
1984	1,620	661	9.1	11.3	2.302
1985	1,722	685	13.6*	13.7	2,431
1986	1,276.4	755.5	13.1*	23.7	2,068.7

* Includes value of leafcutter bees.

CROPS

TABLE 70A Historical Production and Value of Wheat — Metric

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	958	1 619	1 551.3	59.89	92,910
1953	930	1 405	1 307.0	50.00	65,280
1954	865	910	789.0	48.00	37,990
1955	839	1 360	1 143.0	52.00	59,640
1956	890	1 710	1 524.0	48.00	72,800
1957	891	1 495	1 333.0	48.00	64,680
1958	1 004	1 655	1 660.0	50.00	82,960
1959	1 081	1 560	1 687.0	51.00	85,560
1960	1 133	1 585	1 796.0	59.00	106,260
1961	1 179	785	926.0	65.00	59,840
1962	1 231	1 770	2 177.0	62.00	136,000
1963	1 276	1 300	1 660.0	63.00	104,310
1964	1 370	1 690	2 313.0	60.00	138,550
1965	1 311	1 640	2 150.0	61.00	130,350
1966	1 317	1 630	2 150.0	65.00	140,620
1967	1 424	1 720	2 449.0	60.00	147,600
1968	1 376	1 800	2 477.0	48.00	119,544
1969	1 012	1 720	1 742.0	46.00	79,360
1970	567	1 465	830.0	52.00	43,310
1971	1 019	1 975	2 014.0	50.00	101,380
1972	1 052	1 785	1 878.0	68.00	128,340
1973	1 214	1 725	2 095.0	158.00	331,100
1974	1 133	1 415	1 605.0	147.00	236,000
1975	1 255	1 690	2 123.0	130.00	275,340
1976	1 538	1 820	2 803.0	103.00	288,400
1977	1 295	2 125	2 749.0	98.00	269,670
1978	1 376	2 055	2 831.0	133.00	375,440
1979	1 214	1 680	2 041.0	170.00	346,260
1980	1 336	1 425	1 905.0	203.00	386,512
1981	1 578	2 110	3 326.0	174.00	580,041
1982	1 619	2 285	3 701.0	165.00	609,439
1983	1 862	1 830	3 410.0	174.00	594,204
1984	1 801	2 080	3 743.0	172.00	643,796
1985	1 942	2 690	5 226.0	148.00	773,448
1986	2 003	2 240	4 477.0	105.00	470,085

TABLE 70B Historical Production and Value of Wheat — Imperial

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	2,368	24.1	57,000	1.63	92,910
1953	2,300	20.8	48,000	1.36	65,280
1954	2,139	13.5	29,000	1.31	37,990
1955	2,075	20.2	42,000	1.42	59,640
1956	2,199	25.6	56,000	1.30	72,800
1957	2,200	22.3	49,000	1.32	64,680
1958	2,480	24.6	61,000	1.36	82,960
1959	2,670	23.1	62,000	1.38	85,560
1960	2,800	23.6	66,000	1.61	106,260
1961	2,914	11.7	34,000	1.76	59,840
1962	3,042	26.3	80,000	1.70	136,000
1963	3,153	19.3	61,000	1.71	104,310
1964	3,385	25.1	85,000	1.63	138,550
1965	3,240	24.4	79,000	1.65	130,350
1966	3,255	24.3	79,000	1.78	140,620
1967	3,520	25.6	90,000	1.64	147,600
1968	3,400	26.8	91,000	1.31	119,544
1969	2,500	25.6	64,000	1.24	79,360
1970	1,400	21.8	30,500	1.42	43,310
1971	2,519	29.4	74,000	1.37	101,380
1972	2,600	26.5	69,000	1.86	128,340
1973	3,000	25.7	77,000	4.30	331,100
1974	2,800	21.1	59,000	4.00	236,000
1975	3,100	25.2	78,000	3.53	275,340
1976	3,800	27.1	103,000	2.80	288,400
1977	3,200	31.6	101,000	2.67	269,670
1978	3,400	30.6	104,000	3.61	375,440
1979	3,000	25.0	75,000	4.62	346,260
1980	3,300	21.2	70,000	5.52	386,512
1981	3,900	31.3	122,200	4.75	580,041
1982	4,000	34.0	136,000	4.48	609,439
1983	4,600	27.2	125,300	4.74	594,204
1984	4,450	30.9	137,500	4.68	643,796
1985	4,800	40.0	192,000	4.03	773,448
1986	4,950	33.2	164,500	2.86	470,085

TABLE 71A **Historical Production and Value of Oats — Metric**

Year	Harvested For Grain (000 hectares)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	652	1 537	1 002 430	40.20	40,300
1953	571	1 430	817 000	38.00	30,740
1954	611	910	555 000	40.00	22,320
1955	601	1 285	771 000	42.00	32,000
1956	789	1 720	1 357 000	34.00	45,760
1957	607	1 220	740 000	34.00	24,960
1958	579	1 330	771 000	36.00	28,000
1959	575	1 340	771 000	42.00	32,000
1960	607	1 425	864 000	40.00	34,720
1961	526	705	370 000	41.00	15,120
1962	726	1 890	1 373 000	38.00	52,510
1963	656	1 455	956 000	36.00	34,100
1964	662	1 700	1 126 000	42.00	47,450
1965	617	1 850	1 141 000	46.00	52,540
1966	619	1 595	987 000	49.00	48,000
1967	647	1 575	1 018 000	45.00	45,540
1968	639	1 955	1 249 000	32.00	40,500
1969	619	1 720	1 064 000	35.00	37,260
1970	510	1 600	817 000	37.00	30,210
1971	565	2 075	1 172 000	34.00	40,280
1972	461	1 840	848 000	58.00	49,500
1973	526	1 850	972 000	106.00	102,690
1974	486	1 365	633 000	99.00	65,360
1975	445	1 735	771 000	93.00	72,000
1976	506	1 860	941 000	73.00	68,930
1977	425	2 105	894 000	64.00	57,420
1978	304	2 080	632 000	64.00	40,590
1979	182	1 690	308 000	89.00	27,400
1980	182	1 525	278 000	119.00	33,120
1981	243	1 905	463 000	105.00	48,580
1982	223	2 350	524 000	81.00	42,500
1983	223	1 800	401 000	110.00	44,110
1984	231	1 940	447 000	109.00	48,723
1985	223	2 490	555 000	88.00	48,400
1986	182	2 540	463 000	75.00	34,725

TABLE 71B Historical Production and Value of Oats — Imperial

Year	Harvested For Grain (000 acres)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	1,611	40.3	65,000	0.62	40,300
1953	1,412	37.5	53,000	0.58	30,740
1954	1,510	23.8	36,000	0.62	22,320
1955	1,485	33.7	50,000	0.64	32,000
1956	1,950	45.0	88,000	0.52	45,760
1957	1,500	32.2	48,000	0.52	24,960
1958	1,430	35.1	50,000	0.56	28,000
1959	1,420	35.3	50,000	0.64	32,000
1960	1,500	37.3	56,000	0.62	34,720
1961	1,300	18.5	24,000	0.63	15,120
1962	1,794	49.6	89,000	0.59	52,510
1963	1,620	38.3	62,000	0.55	34,100
1964	1,635	44.6	73,000	0.65	47,450
1965	1,525	48.5	74,000	0.71	52,540
1966	1,530	41.8	64,000	0.75	48,000
1967	1,600	41.2	66,000	0.69	45,540
1968	1,580	51.3	81,000	0.50	40,500
1969	1,530	45.1	69,000	0.54	37,260
1970	1,260	42.1	53,000	0.57	30,210
1971	1,395	54.5	76,000	0.53	40,280
1972	1,140	48.2	55,000	0.90	49,500
1973	1,300	48.5	63,000	1.63	102,690
1974	1,200	35.8	43,000	1.52	65,360
1975	1,100	45.5	50,000	1.44	72,000
1976	1,250	48.8	61,000	1.13	68,930
1977	1,050	55.2	58,000	0.99	57,420
1978	750	54.7	41,000	0.99	40,590
1979	450	44.4	20,000	1.37	27,400
1980	450	40.0	18,000	1.84	33,120
1981	600	50.0	30,000	1.62	48,580
1982	550	61.8	34,000	1.25	42,500
1983	550	47.3	26,000	1.70	44,110
1984	570	50.9	29,000	1.68	48,720
1985	550	65.5	36,000	1.34	48,400
1986	450	66.7	30,000	1.16	34,725

TABLE 72A **Historical Production and Value of Barley — Metric**

Year	Harvested Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1952	876	1 765	1 545 883	50.98	78,810
1953	957	1 390	1 328 000	42.00	55,510
1954	891	1 075	958 000	42.00	40,480
1955	846	1 030	871 000	43.00	37,600
1956	626	1 460	914 000	39.00	35,280
1957	690	1 040	718 000	37.00	26,730
1958	641	1 495	958 000	37.00	35,640
1959	514	1 398	718 000	36.00	25,740
1960	376	1 390	523 000	39.00	20,160
1961	265	740	196 000	48.00	9,450
1962	255	1 790	457 000	44.00	20,160
1963	236	1 475	348 000	45.00	15,520
1964	201	1 730	348 000	48.00	16,800
1965	243	1 970	479 000	48.00	23,100
1966	354	1 725	610 000	50.00	30,800
1967	393	1 825	718 000	41.00	29,370
1968	473	1 980	936 000	36.00	33,970
1969	486	1 880	914 000	32.00	28,980
1970	607	1 830	1 110 000	34.00	37,740
1971	830	2 465	2 047 000	32.00	65,800
1972	850	2 180	1 851 000	58.00	107,100
1973	850	2 125	1 807 000	115.00	208,330
1974	728	1 585	1 154 000	102.00	117,600
1975	607	1 830	1 110 000	105.00	116,280
1976	647	2 255	1 459 000	92.00	134,000
1977	769	2 660	2 047 000	76.00	155,100
1978	708	2 615	1 851 000	78.00	143,650
1979	587	2 150	1 263 000	103.00	129,920
1980	809	1 940	1 568 000	137.00	214,560
1981	951	2 450	2 330 000	119.00	277,228
1982	809	2 935	2 373 000	91.00	215,961
1983	708	2 245	1 589 000	120.00	190,680
1984	728	2 660	1 938 000	121.00	234,498
1985	749	3 370	2 526 000	96.00	242,496
1986	627	2 950	1 851 000	92.00	170,292

TABLE 72B **Historical Production and Value of Barley — Imperial**

Year	Harvested Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	2,165	32.8	71,000	1.11	78,810
1953	2,365	25.8	61,000	0.91	55,510
1954	2,202	20.0	44,000	0.92	40,480
1955	2,090	19.1	40,000	0.94	37,600
1956	1,548	26.9	42,000	0.84	35,280
1957	1,704	19.4	33,000	0.81	26,730
1958	1,584	27.8	44,000	0.81	35,640
1959	1,270	25.9	33,000	0.78	25,740
1960	930	26.1	24,000	0.84	20,160
1961	655	13.7	9,000	1.05	9,450
1962	629	33.4	21,000	0.96	20,160
1963	584	27.4	16,000	0.97	15,520
1964	497	32.2	16,000	1.05	16,800
1965	601	36.6	22,000	1.05	23,100
1966	875	32.0	28,000	1.10	30,800
1967	970	34.0	33,000	0.89	29,370
1968	1,170	36.8	43,000	0.79	33,970
1969	1,200	35.0	42,000	0.69	28,980
1970	1,500	34.0	51,000	0.74	37,740
1971	2,052	45.8	94,000	0.70	65,800
1972	2,100	40.5	85,000	1.26	107,100
1973	2,100	39.5	83,000	2.51	208,330
1974	1,800	29.4	53,000	2.22	117,660
1975	1,500	34.0	51,000	2.28	116,280
1976	1,600	41.9	67,000	2.00	134,000
1977	1,900	49.5	94,000	1.65	155,100
1978	1,750	48.6	85,000	1.69	143,650
1979	1,450	40.0	58,000	2.24	129,920
1980	2,000	36.0	72,000	2.98	214,560
1981	2,350	45.5	107,000	2.59	277,228
1982	2,000	54.5	109,000	1.98	215,961
1983	1,750	41.7	73,000	2.61	190,680
1984	1,800	49.4	89,000	2.63	234,498
1985	1,850	62.7	116,000	2.09	242,496
1986	1,550	54.8	85,000	2.00	170,292

TABLE 73A Historical Production and Value of Canola (Rapeseed) Metric

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1963	18 200	945	17 200	110.00	1,900
1964	34 000	980	33 300	119.00	3,969
1965	58 700	925	54 400	108.00	5,880
1966	68 800	690	47 600	108.00	5,145
1967	58 700	890	52 200	85.00	4,416
1968	36 800	1 170	43 100	83.00	3,572
1969	79 300	1 000	79 400	106.00	8,400
1970	161 900	1 010	163 300	102.00	16,704
1971	235 100	1 160	272 200	95.00	25,800
1972	190 200	1 015	192 800	137.00	26,350
1973	161 900	1 080	174 600	258.00	44,968
1974	202 300	955	192 800	312.00	60,095
1975	303 500	935	283 500	225.00	63,875
1976	101 200	1 010	102 100	257.00	26,190
1977	202 300	1 435	290 300	278.00	80,768
1978	424 900	1 360	578 300	280.00	161,925
1979	546 300	1 040	567 000	267.00	151,250
1980	323 700	910	294 800	280.00	82,550
1981	242 800	1 260	306 200	275.00	84,198
1982	344 000	1 160	399 200	259.00	103,312
1983	384 000	1 035	397 000	383.00	152,051
1984	486 000	1 120	544 000	351.00	190,944
1985	405 000	1 570	635 000	266.00	168,910
1986	405 000	1 430	578 000	205.00	118,490

TABLE 73B Historical Production and Value of Canola (Rapeseed) — Imperial

Year	Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1963	45,000	16.9	760	2.50	1,900
1964	84,000	17.5	1,470	2.70	3,969
1965	145,000	16.6	2,400	2.45	5,880
1966	170,000	12.4	2,100	2.45	5,145
1967	145,000	15.9	2,300	1.92	4,416
1968	91,000	20.9	1,900	1.88	3,572
1969	196,000	17.9	3,500	2.40	8,400
1970	400,000	18.0	7,200	2.32	16,704
1971	581,000	20.7	12,000	2.15	25,800
1972	470,000	18.1	8,500	3.10	26,350
1973	400,000	19.2	7,700	5.84	44,968
1974	500,000	17.0	8,500	7.07	60,095
1975	750,000	16.7	12,500	5.11	63,875
1976	250,000	18.0	4,500	5.82	26,190
1977	500,000	25.6	12,800	6.31	80,768
1978	1,050,000	24.3	25,500	6.35	161,925
1979	1,350,000	18.5	25,000	6.05	151,250
1980	800,000	16.2	13,000	6.35	82,550
1981	600,000	22.5	13,500	6.24	84,198
1982	850,000	20.7	17,600	5.87	103,312
1983	950,000	18.4	17,500	8.69	152,051
1984	1,200,000	20.0	24,000	7.96	190,944
1985	1,000,000	28.0	28,000	6.03	168,910
1986	1,000,000	25.5	25,500	4.65	118,490

TABLE 74A Historical Production and Value of Flaxseed — Metric

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	202	578	116.8	125.58	14,674
1953	170	570	96.5	97.00	9,348
1954	180	565	101.6	104.00	10,600
1955	215	520	111.8	110.00	12,320
1956	319	635	203.2	102.00	20,720
1957	350	255	88.9	98.00	8,680
1958	223	535	119.4	103.00	12,314
1959	233	500	116.8	120.00	13,984
1960	286	570	162.6	108.00	17,600
1961	303	360	109.2	130.00	14,190
1962	270	735	198.1	118.00	23,400
1963	332	710	236.2	112.00	26,505
1964	415	650	269.3	116.00	31,270
1965	546	755	411.5	106.00	43,578
1966	448	595	266.0	106.00	28,350
1967	267	540	144.8	121.00	17,556
1968	332	795	264.2	112.00	29,536
1969	445	580	259.1	101.00	26,214
1970	445	655	292.1	87.00	25,530
1971	229	655	149.9	86.00	12,862
1972	202	740	149.9	161.00	24,190
1973	243	795	193.0	376.00	72,580
1974	283	590	167.6	376.00	63,096
1975	304	700	213.4	258.00	55,020
1976	212	755	160.0	267.00	42,714
1977	304	1 085	330.2	207.00	68,250
1978	304	1 045	317.5	268.00	85,125
1979	506	880	444.5	280.00	124,425
1980	324	650	210.0	320.00	67,479
1981	283	925	261.0	322.00	84,246
1982	364	1 200	436.9	244.00	106,640
1983	304	975	297.0	323.00	95,931
1984	425	1 030	439.0	317.00	139,163
1985	425	1 320	559.0	265.00	152,905
1986	417	1 370	572.0	175.00	100,100

TABLE 74B **Historical Production and Value of Flaxseed — Imperial**

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	500	9.2	4,600	3.19	14,674
1953	420	9.0	3,800	2.46	9,348
1954	444	9.0	4,000	2.65	10,600
1955	531	8.3	4,400	2.80	12,320
1956	789	10.1	8,000	2.59	20,720
1957	865	4.0	3,500	2.48	8,680
1958	550	8.6	4,700	2.62	12,314
1959	575	8.0	4,600	3.04	13,984
1960	707	9.1	6,400	2.75	17,600
1961	748	5.7	4,300	3.30	14,190
1962	667	11.7	7,800	3.00	23,400
1963	820	11.3	9,300	2.85	26,505
1964	1,025	10.3	10,600	2.95	31,270
1965	1,350	12.0	16,200	2.69	43,578
1966	1,107	9.5	10,500	2.70	28,350
1967	660	8.6	5,700	3.08	17,556
1968	820	12.7	10,400	2.84	29,536
1969	1,100	9.3	10,200	2.57	26,214
1970	1,100	10.5	11,500	2.22	25,530
1971	566	10.4	5,900	2.18	12,862
1972	500	11.8	5,900	4.10	24,190
1973	600	12.7	7,600	9.55	72,580
1974	700	9.4	6,600	9.56	63,096
1975	750	11.2	8,400	6.55	55,020
1976	525	12.0	6,300	6.78	42,714
1977	750	17.3	13,000	5.25	68,250
1978	750	16.7	12,500	6.81	85,125
1979	1,250	14.0	17,500	7.11	124,425
1980	800	10.4	8,300	8.13	67,479
1981	700	14.7	10,300	8.18	84,246
1982	900	19.1	17,200	6.20	106,640
1983	750	15.6	11,700	8.20	95,931
1984	1,050	16.5	17,300	8.05	139,163
1985	1,050	21.0	22,000	6.74	152,905
1986	1,030	21.8	22,500	4.45	100,100

TABLE 75A Historical Production and Value of All Rye — Metric

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	29 000	1 069	31.0	55.89	1,732
1953	56 300	1 270	71.6	34.00	2,436
1954	37 500	1 092	40.8	37.00	1,495
1955	36 200	1 240	44.8	37.00	1,644
1956	27 800	990	27.5	39.00	1,067
1957	29 900	1 020	30.5	35.00	1,056
1958	28 600	1 050	30.0	34.00	1,020
1959	34 000	1 245	42.3	35.00	1,461
1960	33 800	1 240	41.9	34.00	1,444
1961	31 800	705	22.4	43.00	957
1962	48 200	1 585	76.5	41.00	3,150
1963	38 200	1 395	53.3	49.00	2,625
1964	54 200	1 315	71.3	41.00	2,940
1965	54 200	1 410	76.5	41.00	3,120
1966	40 200	1 525	61.4	42.00	2,592
1967	57 400	1 175	67.4	43.00	2,880
1968	48 400	1 310	63.5	39.00	2,500
1969	66 200	1 140	75.5	34.00	2,573
1970	52 800	1 365	72.0	34.00	2,469
1971	51 600	1 625	83.8	29.00	2,460
1972	32 600	1 435	46.8	51.00	2,397
1973	32 800	1 650	54.1	105.00	5,684
1974	40 800	1 545	63.0	89.00	5,625
1975	47 800	1 590	76.0	99.00	7,500
1976	36 800	1 855	68.3	85.00	5,778
1977	44 800	1 880	84.3	86.00	7,227
1978	50 800	1 955	99.4	102.00	10,140
1979	50 400	1 580	79.6	146.00	11,592
1980	60 800	1 235	75.0	171.00	12,848
1981	76 400	2 290	175.1	140.00	24,538
1982	92 800	2 295	213.1	87.00	18,564
1983	85 000	1 920	163.0	107.00	17,441
1984	88 600	2 210	195.8	93.00	18,209
1985	80 800	2 120	171.5	68.00	11,662
1986	30 900	1 970	61.0	65.00	3,965

TABLE 75B **Historical Production and Value of All Rye — Imperial**

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	72,000	16.9	1,220	1.42	1,732
1953	138,000	20.3	2,800	0.87	2,436
1954	92,400	17.2	1,590	0.94	1,495
1955	89,000	19.7	1,750	0.94	1,644
1956	68,400	16.1	1,100	0.97	1,067
1957	72,900	16.5	1,200	0.88	1,056
1958	71,500	16.8	1,200	0.85	1,020
1959	83,000	20.0	1,660	0.88	1,461
1960	83,000	20.0	1,660	0.87	1,444
1961	79,500	11.1	886	1.08	957
1962	119,000	25.2	3,000	1.05	3,150
1963	95,000	22.1	2,100	1.25	2,625
1964	133,000	21.1	2,800	1.05	2,940
1965	133,000	22.6	3,000	1.04	3,120
1966	100,500	23.9	2,400	1.08	2,592
1967	141,100	18.9	2,667	1.08	2,880
1968	120,000	20.8	2,500	1.00	2,500
1969	163,000	18.1	2,958	0.87	2,573
1970	130,000	21.8	2,838	0.87	2,469
1971	128,500	25.5	3,280	0.75	2,460
1972	81,500	22.5	1,830	1.31	2,397
1973	82,000	26.2	2,145	2.65	5,684
1974	102,000	24.5	2,500	2.25	5,625
1975	117,000	25.6	3,000	2.50	7,500
1976	92,000	29.3	2,700	2.14	5,778
1977	110,000	30.0	3,300	2.19	7,227
1978	125,000	31.2	3,900	2.60	10,140
1979	125,000	25.2	3,150	3.68	11,592
1980	150,000	19.6	2,940	4.37	12,848
1981	190,000	36.3	6,900	3.56	24,538
1982	230,000	36.5	8,400	2.21	18,564
1983	210,000	30.6	6,420	2.72	17,441
1984	220,000	35.0	7,710	2.36	18,209
1985	200,000	33.8	6,760	2.32	11,662
1986	76,600	31.3	2,400	1.65	3,965

TABLE 76A Historical Production and Value of Mixed Grains — Metric

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	15 000	1 488	22 318	41.40	924
1953	13 500	1 680	22 700	37.00	834
1954	15 500	1 295	20 100	39.00	787
1955	19 000	1 310	24 900	40.00	990
1956	27 100	1 765	47 800	31.00	1.499
1957	29 300	1 390	40 800	30.00	1.220
1958	44 900	1 545	69 400	32.00	2.244
1959	55 000	1 555	85 500	36.00	3.058
1960	51 000	1 600	81 500	37.00	2.996
1961	63 500	920	58 300	45.00	2.600
1962	50 200	2 035	102 100	40.00	4.100
1963	51 000	1 560	79 600	37.00	2.964
1964	51 000	1 960	100 000	41.00	4.116
1965	59 100	2 075	122 500	42.00	5.100
1966	74 500	1 875	139 700	47.00	6.503
1967	72 000	1 900	136 800	44.00	6.030
1968	72 000	2 185	157 200	38.00	5.929
1969	76 900	1 885	144 900	31.00	4.544
1970	101 200	1 855	187 800	35.00	6.532
1971	114 900	2 400	275 600	32.00	8.775
1972	117 400	2 175	255 100	53.00	13.500
1973	119 400	2 135	255 100	101.00	25.875
1974	80 900	1 515	122 500	93.00	11.400
1975	80 900	1 890	153 100	91.00	13.950
1976	68 800	2 045	140 800	77.00	10.833
1977	68 800	2 375	163 300	80.00	13.040
1978	64 700	2 395	155 100	83.00	12.920
1979	56 700	2 125	120 400	105.00	12.626
1980	48 600	1 805	87 800	130.00	11.395
1981	48 600	2 265	110 200	115.00	12.636
1982	48 600	2 685	130 600	89.00	11.648
1983	48 600	2 015	98 000	115.00	11.270
1984	50 600	2 330	118 000	127.00	14.986
1985	50 600	2 750	139 000	113.00	15.763
1986	32 400	2 530	82 000	76.80	6.320

TABLE 76B Historical Production and Value of Mixed Grains — Imperial

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	37,000	32.8	1,200	0.77	924
1953	33,300	33.4	1,112	0.75	834
1954	38,300	25.7	984	0.80	787
1955	47,000	26.0	1,222	0.81	990
1956	66,900	35.0	2,342	0.64	1,499
1957	72,300	27.7	2,000	0.61	1,220
1958	111,000	30.6	3,400	0.66	2,244
1959	136,000	30.8	4,189	0.73	3,058
1960	126,000	31.7	3,994	0.75	2,996
1961	157,000	18.2	2,857	0.91	2,600
1962	124,000	40.3	5,000	0.82	4,100
1963	126,000	31.0	3,900	0.76	2,964
1964	126,000	38.9	4,900	0.84	4,116
1965	146,000	41.1	6,000	0.85	5,100
1966	184,000	37.2	6,845	0.95	6,503
1967	178,000	37.6	6,700	0.90	6,030
1968	178,000	43.3	7,700	0.77	5,929
1969	190,000	37.4	7,100	0.64	4,544
1970	250,000	36.8	9,200	0.71	6,532
1971	284,000	47.5	13,500	0.65	8,775
1972	290,000	43.1	12,500	1.08	13,500
1973	295,000	42.4	12,500	2.07	25,875
1974	200,000	30.0	6,000	1.90	11,400
1975	200,000	37.5	7,500	1.86	13,950
1976	170,000	40.6	6,900	1.57	10,833
1977	170,000	47.1	8,000	1.63	13,040
1978	160,000	47.5	7,600	1.70	12,920
1979	140,000	42.1	5,900	2.14	12,626
1980	120,000	35.8	4,300	2.65	11,395
1981	120,000	45.0	5,400	2.35	12,676
1982	120,000	53.3	6,400	1.82	11,648
1983	120,000	40.0	4,800	2.31	11,270
1984	125,000	46.4	5,800	2.55	14,986
1985	125,000	54.4	6,800	2.32	15,763
1986	80,000	50.0	4,000	1.58	6,320

TABLE 77A Historical Production and Value of Grain Corn — Metric

Year	Planted Hectares (000)	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	7 972	1 759	14 022	43.29	607
1953	6 100	1 870	11 400	39.00	450
1954	4 000	1 475	5 900	43.00	254
1955	2 500	1 920	4 800	43.00	208
1956	2 900	1 550	4 500	48.00	214
1957	3 200	1 595	5 100	47.00	240
1958	2 800	1 570	4 400	46.00	203
1959	2 000	1 900	3 800	37.00	142
1960	2 200	2 045	4 500	43.00	193
1961	1 700	1 825	3 100	45.00	141
1962	1 300	2 615	3 400	45.00	152
1963	1 800	2 555	4 600	49.00	225
1964	2 000	1 600	3 200	47.00	150
1965	2 400	1 585	3 800	49.00	188
1966	1 200	2 750	3 300	58.00	191
1967	2 200	3 180	7 000	59.00	412
1968	1 000	2 500	2 500	53.00	132
1969	1 200	2 085	2 500	54.00	135
1970	1 400	2 570	3 600	58.00	210
1971	3 700	3 025	11 200	49.00	550
1972	5 300	3 360	17 800	61.00	1,085
1973	6 500	3 445	22 400	120.00	2,684
1974	2 000	2 400	4 800	145.00	697
1975	4 900	3 900	19 100	120.00	2,288
1976	6 900	4 230	29 200	119.00	3,473
1977	9 700	4 060	39 400	103.00	4,061
1978	35 600	4 140	147 300	110.00	16,240
1979	52 600	3 765	198 100	124.00	24,570
1980	56 700	3 360	190 500	134.00	25,500
1981	91 100	4 740	431 800	106.00	46,205
1982	80 900	3 140	254 000	105.00	26,671
1983	77 000	2 830	218 000	130.00	28,340
1984	73 000	3 230	236 000	140.00	33,040
1985	40 500	1 880	76 000	120.00	9,120
1986	13 800	4 420	61 000	117.44	7,164

TABLE 77B Historical Production and Value of Grain Corn — Imperial

Year	Planted Acres (000)	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	19,700	28.0	552	1.10	607
1953	15,000	30.0	450	1.00	450
1954	9,900	23.3	231	1.10	254
1955	6,300	30.0	189	1.10	208
1956	7,100	25.0	178	1.20	214
1957	8,000	25.0	200	1.20	240
1958	7,000	25.0	175	1.16	203
1959	5,000	30.0	150	0.95	142
1960	5,500	32.5	179	1.08	193
1961	4,100	30.0	123	1.15	141
1962	3,300	40.0	132	1.15	152
1963	4,500	40.0	180	1.25	225
1964	5,000	25.0	125	1.20	150
1965	6,000	25.0	150	1.25	188
1966	2,900	44.8	130	1.47	191
1967	5,500	50.0	275	1.50	412
1968	2,500	40.0	100	1.32	132
1969	3,000	33.3	100	1.35	135
1970	3,500	40.0	140	1.50	210
1971	9,100	48.4	440	1.25	550
1972	13,000	53.8	700	1.55	1,085
1973	16,000	55.0	880	3.05	2,684
1974	5,000	38.0	190	3.67	697
1975	12,000	62.5	750	3.05	2,288
1976	17,000	67.6	1,150	3.02	3,473
1977	24,000	64.6	1,550	2.62	4,061
1978	88,000	65.9	5,800	2.80	16,240
1979	130,000	60.0	7,800	3.15	24,570
1980	140,000	53.6	7,500	3.40	25,500
1981	225,000	75.6	17,000	2.72	46,205
1982	200,000	50.0	10,000	2.67	26,671
1983	190,000	45.3	8,600	3.30	28,340
1984	180,000	51.7	9,300	3.56	33,040
1985	100,000	30.0	3,000	3.04	9,120
1986	34,000	70.6	2,400	2.97	7,164

TABLE 78A Historical Production and Value of Field Peas — Metric

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	7 487	1 679	12 574	83.00	1,040
1953	15 000	1 410	21 150	53.00	1,127
1954	12 100	1 215	14 700	77.00	1,134
1955	16 600	670	11 150	74.00	820
1956	22 500	1 415	31 800	55.00	1,752
1957	22 700	1 005	22 850	55.00	1,260
1958	21 000	945	19 800	74.00	1,456
1959	19 800	810	16 000	70.00	1,117
1960	16 600	1 255	20 850	74.00	1,534
1961	18 900	1 010	19 050	77.00	1,470
1962	12 900	1 055	13 600	81.00	1,100
1963	15 000	1 270	19 050	85.00	1,610
1964	23 900	1 545	36 950	70.00	2,578
1965	17 200	1 495	25 700	66.00	1,699
1966	18 600	1 070	19 900	83.00	1,645
1967	12 100	1 575	19 050	77.00	1,470
1968	13 400	1 070	14 350	75.00	1,072
1969	21 000	970	20 400	69.00	1,402
1970	24 300	1 140	27 750	68.00	1,897
1971	20 500	1 595	32 650	64.00	2,100
1972	18 200	1 495	27 200	70.00	1,900
1973	14 200	1 610	22 850	202.00	4,620
1974	16 200	1 395	22 600	232.00	5,246
1975	14 200	1 435	20 400	165.00	3,375
1976	15 400	1 750	26 950	174.00	4,702
1977	22 300	1 650	36 750	202.00	7,425
1978	25 500	2 025	51 700	151.00	7,790
1979	28 300	1 825	51 700	160.00	8,265
1980	34 000	1 440	49 000	238.00	11,664
1981	40 500	1 950	78 950	250.00	19,731
1982	44 500	1 835	81 650	193.00	15,758
1983	40 500	1 680	68 000	220.00	14,960
1984	44 500	1 830	81 600	227.00	18,523
1985	40 500	2 689	108 900	211.00	23,000
1986	58 700	1 760	103 400	198.00	20,473

TABLE 78B **Historical Production and Value of Field Peas — Imperial**

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1952	18,500	25.0	462	2.25	1,040
1953	37,000	21.0	777	1.45	1,127
1954	30,000	18.0	540	2.10	1,134
1955	41,000	10.0	410	2.00	820
1956	55,600	21.0	1,168	1.50	1,752
1957	56,000	15.0	840	1.50	1,260
1958	52,000	14.0	728	2.00	1,456
1959	49,000	12.0	588	1.90	1,117
1960	41,000	18.7	767	2.00	1,534
1961	46,700	15.0	700	2.10	1,470
1962	31,800	15.7	500	2.20	1,100
1963	37,000	18.9	700	2.30	1,610
1963	37,000	18.9	700	2.30	1,610
1964	59,000	23.0	1,357	1.90	2,578
1965	42,500	22.2	944	1.80	1,699
1966	46,000	15.9	731	2.25	1,645
1967	30,000	23.3	700	2.10	1,470
1968	33,000	16.0	528	2.03	1,072
1969	52,000	14.4	750	1.87	1,402
1970	60,000	17.0	1,020	1.86	1,897
1971	50,700	23.7	1,200	1.75	2,100
1972	45,000	22.2	1,000	1.90	1,900
1973	35,000	24.0	840	5.50	4,620
1974	40,000	20.8	830	6.32	5,246
1975	35,000	21.4	750	4.50	3,375
1976	38,000	26.1	990	4.75	4,702
1977	55,000	24.5	1,350	5.50	7,425
1978	63,000	30.2	1,900	4.10	7,790
1979	70,000	27.1	1,900	4.35	8,265
1980	84,000	21.4	1,800	6.48	11,664
1981	100,000	29.0	2,900	6.80	19,731
1982	110,000	27.3	3,000	5.25	15,758
1983	100,000	25.0	2,500	5.98	14,960
1984	110,000	27.3	3,000	6.18	18,523
1985	100,000	37.0	3,700	5.75	23,000
1986	145,000	26.2	3,800	5.39	20,473

TABLE 79A Historical Production and Value of Buckwheat — Metric

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1958	12 100	740	8 950	41.00	370
1959	6 100	535	3 250	42.00	135
1960	6 100	835	5 100	46.00	234
1961	5 300	585	3 100	53.00	164
1962	4 000	1 140	4 550	74.00	336
1963	6 100	1 075	6 550	66.00	435
1964	10 500	830	8 700	46.00	400
1965	8 100	535	4 350	48.00	210
1966	9 200	805	7 400	85.00	629
1967	18 200	630	11 450	92.00	1,050
1968	20 200	570	11 550	90.00	1,034
1969	20 200	700	14 150	80.00	1,138
1970	32 400	940	30 500	64.00	1,960
1971	32 400	1 075	34 850	69.00	2,400
1972	30 400	825	25 050	64.00	1,610
1973	26 300	745	19 600	172.00	3,375
1974	16 200	940	15 240	223.00	3,402
1975	10 100	925	9 350	156.00	1,462
1976	17 800	480	8 700	186.00	1,616
1977	32 400	1 010	32 650	207.00	6,750
1978	48 600	1 210	58 800	207.00	12,150
1979	54 600	400	21 750	201.00	4,380
1980	39 700	440	17 400	287.00	5,000
1981	50 600	905	45 700	377.00	17,237
1982	46 500	470	21 750	317.00	6,902
1983	36 400	655	23 900	320.00	7,648
1984	28 300	460	13 100	345.00	4,520
1985	12 100	880	10 700	344.00	4,890
1986	21 900	922	20 200	247.50	5,000

TABLE 80A Historical Production and Value of Mustard Seed — Metric

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1970	10 100	940	9 500	81.00	766
1971	4 200	880	3 700	84.00	312
1972	6 100	935	5 700	99.00	562
1973	16 200	895	14 500	154.00	2,240
1974	16 200	840	13 600	408.00	5,550
1975	9 300	710	6 600	275.00	1,812
1976	7 300	890	6 500	248.00	1,613
1977	16 200	1 005	16 300	232.00	3,780
1978	25 100	1 155	29 000	243.00	7,040
1979	10 100	940	9 500	221.00	2,100
1980	17 800	915	16 300	331.00	5,400
1981	18 200	1 050	19 100	382.00	7,296
1982	10 100	1 060	10 700	240.00	2,569
1983	12 100	960	11 600	353.00	4,095
1984	16 200	840	13 600	353.00	4,801
1985	16 200	1 235	20 000	350.00	7,000
1986	14 200	1 915	27 200	286.00	7,771

TABLE 79B **Historical Production and Value of Buckwheat — Imperial**

Year	Planted Acres	Yield Per Acre (bushels)	Production (000 bushels)	Farm Value Price Per Bushel $	Farm Value Total ($000)
1958	30,000	13.7	411	0.90	370
1959	15,000	10.0	150	0.90	135
1960	15,000	15.6	234	1.00	234
1961	13,200	10.8	143	1.15	164
1962	10,000	21.0	210	1.60	336
1963	15,000	20.0	300	1.45	435
1964	26,000	15.4	400	1.00	400
1965	20,000	10.0	200	1.05	210
1966	22,700	15.0	340	1.85	629
1967	45,000	11.7	525	2.00	1,050
1968	50,000	10.6	530	1.95	1,034
1969	50,000	13.0	650	1.75	1,138
1970	80,000	17.5	1,400	1.40	1,960
1971	80,000	20.0	1,600	1.50	2,400
1972	75,000	15.3	1,150	1.40	1,610
1973	65,000	13.8	900	3.75	3,375
1974	40,000	17.5	700	4.86	3,402
1975	25,000	17.2	430	3.40	1,462
1976	44,000	9.1	400	4.04	1,616
1977	80,000	18.8	1,500	4.50	6,750
1978	120,000	22.5	2,700	4.50	12,150
1979	135,000	7.4	1,000	4.38	4,380
1980	98,000	8.2	800	6.25	5,000
1981	125,00	16.8	2,100	8.21	17,237
1982	115,000	8.7	1,000	6.90	6,902
1983	90,000	12.2	1,100	6.95	7,648
1984	70,000	8.6	600	7.51	4,520
1985	30,000	16.3	490	7.52	4,890
1986	54,000	17.2	930	5.38	5,000

TABLE 80B **Historical Production and Value of Mustard Seed — Imperial**

Year	Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1970	25,000	840	21,000	.0365	766
1971	10,300	796	8,200	.038	312
1972	15,000	833	12,500	.045	562
1973	40,000	800	32,000	.070	2,240
1974	40,000	750	30,000	.185	5,550
1975	23,000	630	14,500	.125	1,812
1976	18,000	800	14,400	.112	1,613
1977	40,000	900	36,000	.105	3,780
1978	62,000	1,032	64,000	.110	7,040
1979	25,000	840	21,000	.100	2,100
1980	44,000	818	36,000	.150	5,400
1981	45,000	933	42,000	.173	7,296
1982	25,000	940	23,500	.109	2,569
1983	30,000	850	25,500	.160	4,095
1984	40,000	750	30,000	.160	4,801
1985	40,000	1,100	44,000	.160	7,000
1986	35,000	1,714	60,000	.130	7,771

TABLE 81A Historical Production and Value of Sunflowers — Metric

Year	Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1958	18 200	485	8 800	114.00	1,006
1959	12 900	545	7 000	88.00	614
1960	11 300	905	10 200	99.00	1,008
1961	12 300	790	9 700	99.00	961
1962	6 300	845	7 000	121.00	845
1963	15 000	1 060	15 900	97.00	1,547
1964	19 400	590	11 400	111.00	1,260
1965	19 400	620	12 000	132.00	1,584
1966	17 400	730	12 700	132.00	1,680
1967	17 800	900	16 000	99.00	1,584
1968	15 000	725	10 900	110.00	1,200
1969	19 400	795	15 400	121.00	1,870
1970	26 300	895	23 600	138.00	3,250
1971	62 700	840	52 700	135.00	7,091
1972	76 900	895	68 900	154.00	10,640
1973	50 600	785	39 700	220.00	8,750
1974	8 500	975	8 300	450.00	3,731
1975	25 100	1 190	29 900	221.00	6,600
1976	20 200	1 190	24 000	221.00	5,300
1977	66 800	1 190	79 400	253.00	20,125
1978	87 000	1 325	115 200	243.00	27,940
1979	153 800	1 355	208 700	242.00	50,600
1980	129 500	1 225	158 800	220.00	35,000
1981	109 300	1 455	158 800	227.00	36,038
1982	70 800	1 235	87 300	198.00	17,289
1983	40 500	1 120	45 400	298.00	13,529
1984	78 900	1 150	90 700	360.00	32,652
1985	64 700	1 190	77 100	230.00	17,733
1986	23 100	2 004	46 300	216.00	10,000

TABLE 61B Historical Production and Value of Sunflowers — Imperial

Year	Acres	Yield Per Acre (pounds)	Production (000 pounds)	Farm Value Price Per Pound $	Farm Value Total ($000)
1958	45,000	430	19,350	.052	1,006
1959	32,000	480	15,360	.040	614
1960	28,000	800	22,400	.045	1,008
1961	30,500	700	21,350	.045	961
1962	20,500	749	15,360	.055	845
1963	37,000	950	35,150	.044	1,547
1964	48,000	525	25,200	.050	1,260
1965	48,000	550	26,400	.060	1,584
1966	43,100	650	28,000	.060	1,680
1967	44,000	800	35,200	.045	1,584
1968	37,000	650	24,000	.050	1,200
1969	48,000	708	34,000	.055	1,870
1970	65,000	800	52,000	.0625	3,250
1971	155,000	750	116,250	.061	7,091
1972	190,000	800	152,000	.070	10,640
1973	125,000	700	87,500	.100	8,750
1974	21,000	867	18,200	.205	3,731
1975	62,000	1,065	66,000	.100	6,600
1976	50,000	1,060	53,000	.100	5,300
1977	165,000	1,061	175,000	.115	20,125
1978	215,000	1,182	254,000	.110	27,940
1979	380,000	1,211	460,000	.110	50,600
1980	320,000	1,094	350,000	.100	35,000
1981	270,000	1,296	350,000	.103	36,038
1982	175,000	1,100	192,500	.090	17,289
1983	100,000	1,000	100,000	.135	13,529
1984	195,000	1,026	200,000	.163	32,652
1985	160,000	1,063	170,000	.100	17,733
1986	57,000	1,790	102,200	.100	10,000

TABLE 82A Historical Production and Value of Tame Hay — Metric

Year	Hectares (000)	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value	
				Price Per Tonne $	Total ($000)
1952	169	3.47	586	14.33	8,398
1953	180	4.76	857	11.00	9,450
1954	220	4.74	1 043	11.00	11,500
1955	240	4.41	1 058	11.60	12,243
1956	260	4.42	1 150	11.00	12,680
1957	290	3.99	1 157	11.00	12,750
1958	320	2.89	924	15.20	14,011
1959	348	3.92	1 332	16.50	22,020
1960	380	3.83	1 457	14.20	20,717
1961	410	2.00	820	19.30	15,820
1962	420	4.51	1 896	15.40	29,260
1963	410	4.13	1 694	16.50	28,005
1964	400	3.32	1 329	17.60	23,440
1965	390	3.80	1 481	18.20	26,928
1966	430	4.43	1 903	18.20	34,617
1967	430	3.37	1 451	19.30	28,000
1968	380	3.82	1 451	20.40	29,600
1969	400	3.31	1 724	18.20	31,350
1970	470	4.30	2 023	16.50	33,450
1971	440	4.33	1 905	18.20	34,650
1972	490	3.70	1 814	22.10	40,000
1973	490	4.07	1 996	33.10	66,000
1974	510	4.27	2 177	38.60	84,000
1975	510	4.45	2 268	40.80	92,500
1976	570	4.14	2 359	41.50	97,968
1977	570	4.14	2 359	41.30	97,500
1978	570	4.62	2 631	40.70	107,010
1979	550	4.29	2 359	50.00	117,936
1980	530	2.57	1 361	70.00	95,250
1981	510	4.45	2 268	60.00	136,078
1982	510	4.45	2 268	55.00	124,738
1983	526	4.14	2 177	55.00	119,735
1984	526	3.97	2 087	62.00	129,394
1985	546	3.99	2 177	62.80	136,716
1986	587	5.25	3 084	61.00	188,124

TABLE 82B **Historical Production and Value of Tame Hay — Imperial**

Year	Acres (000)	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1952	417	1.55	646	13.00	8,398
1953	450	2.10	945	10.00	9,450
1954	540	2.13	1,150	10.00	11,500
1955	583	2.00	1,166	10.50	12,243
1956	634	2.00	1,268	10.00	12,680
1957	722	1.77	1,275	10.00	12,750
1958	790	1.29	1,019	13.75	14,011
1959	834	1.76	1,468	15.00	22,020
1960	934	1.72	1,606	12.90	20,717
1961	1,004	0.90	904	17.50	15,820
1962	1,045	2.00	2,090	14.00	29,260
1963	1,020	1.83	1,867	15.00	28,005
1964	990	1.48	1,465	16.00	23,440
1965	960	1.70	1,632	16.50	26,928
1966	1,065	1.97	2,098	16.50	34,617
1967	1,052	1.52	1,600	17.50	28,000
1968	940	1.70	1,600	18.50	29,600
1969	1,000	1.90	1,900	16.50	31,350
1970	1,160	1.92	2,230	15.00	33,450
1971	1,084	1.94	2,100	16.50	34,650
1972	1,200	1.67	2,000	20.00	40,000
1973	1,200	1.83	2,200	30.00	66,000
1974	1,250	1.92	2,400	35.00	84,000
1975	1,250	2.00	2,500	37.00	92,500
1976	1,400	1.86	2,600	37.68	97,968
1977	1,400	1.86	2,600	37.50	97,500
1978	1,400	2.07	2,900	36.90	107,010
1979	1,350	1.93	2,600	45.36	117,936
1980	1,300	1.15	1,500	63.50	95,250
1981	1,250	2.00	2,500	54.43	136,078
1982	1,250	2.00	2,500	49.90	124,738
1983	1,300	1.85	2,400	49.89	119,735
1984	1,300	1.77	2,300	56.24	129,394
1985	1,350	1.78	2,400	57.00	136,716
1986	1,450	2.34	3,400	55.33	188,124

TABLE 83A Historical Production and Value of Silage Corn — Metric

Year	Planted Hectares	Yield Per Hectare (tonnes)	Production (000 tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	8 500	11.31	96	7.73	742
1953	7 500	11.07	83	6.70	552
1954	6 400	10.78	69	6.60	456
1955	6 300	13.49	85	6.64	564
1956	7 800	11.41	89	6.60	588
1957	7 200	11.39	82	6.60	540
1958	9 600	10.42	100	8.30	825
1959	11 300	11.68	132	7.70	1,022
1960	10 900	11.93	130	7.70	1,001
1961	12 700	8.90	113	10.50	1,188
1962	15 600	15.13	236	7.70	1,820
1963	15 300	17.91	274	7.70	2,114
1964	19 800	11.21	222	6.60	1,470
1965	17 300	13.37	238	7.70	1,834
1966	15 000	13.80	207	7.70	1,596
1967	10 500	12.10	127	7.70	980
1968	11 900	12.77	152	7.70	1,176
1969	9 300	15.27	142	7.70	1,099
1970	8 100	13.46	109	7.70	840
1971	3 900	15.41	64	7.70	490
1972	8 900	16.29	145	11.06	1,600
1973	9 700	15.46	150	13.20	1,980
1974	11 300	16.90	191	15.40	2,940
1975	13 400	19.63	263	16.50	4,350
1976	13 400	18.96	254	16.50	4,200
1977	15 800	20.13	318	16.50	5,250
1978	17 000	21.35	363	18.70	6,800
1979	18 200	17.97	327	16.50	5,389
1980	30 400	12.53	381	28.00	10,668
1981	20 200	17.52	354	20.00	7,076
1982	31 200	15.42	481	18.00	8,655
1983	20 200	15.25	308	21.00	6,468
1984	18 200	13.50	245	22.00	5,390
1985	18 200	15.90	290	21.00	6,090
1986	12 900	21.09	272	15.90	4,325

TABLE 83B Historical Production and Value of Silage Corn — Imperial

Year	Planted Acres	Yield Per Acre (tons)	Production (000 tons)	Farm Value Price Per Ton $	Farm Value Total ($000)
1952	21 000	5.00	106	7.00	742
1953	18 500	5.00	92	6.00	552
1954	15 900	4.80	76	6.00	456
1955	15 600	6.00	94	6.00	564
1956	19 200	5.10	98	6.00	588
1957	17 900	5.00	90	6.00	540
1958	23 800	4.62	110	7.50	825
1959	26 000	5.21	146	7.00	1.022
1960	26 900	5.32	143	7.00	1.001
1961	31 300	4.00	125	9.50	1.188
1962	38 500	6.75	260	7.00	1.820
1963	37 800	7.99	302	7.00	2.114
1964	49 000	5.00	245	6.00	1.470
1965	44 000	5.95	262	7.00	1.834
1966	37 100	6.15	228	7.00	1.596
1967	26 000	5.38	140	7.00	980
1968	29 500	5.69	168	7.00	1.176
1969	23 000	6.84	157	7.00	1.099
1970	20 000	6.00	120	7.00	840
1971	9 700	7.22	70	7.00	490
1972	22 000	7.27	160	10.00	1.600
1973	24 000	6.88	165	12.00	1.980
1974	28 000	7.50	210	14.00	2.940
1975	33 000	8.79	290	15.00	4.350
1976	33 000	8.48	280	15.00	4.200
1977	39 000	8.97	350	15.00	5.250
1978	42 000	9.52	400	17.00	6.800
1979	45 000	8.00	360	14.97	5.389
1980	75 000	5.60	420	25.40	10.668
1981	50 000	7.80	390	18.14	7.076
1982	77 000	6.88	530	16.33	8.655
1983	50 000	6.80	340	19.02	6.468
1984	45 000	6.00	270	19.95	5.390
1985	45 000	7.11	320	19.03	6.090
1986	32 000	9.38	300	14.44	4.325

TABLE 84A Historical Production and Value of Sugar Beets — Metric

Year	Harvested Hectares	Yield Per Hectare (tonnes)	Production (tonnes)	Factory Value* Price Per Tonne $	Factory Value* Total ($000)
1952	6 634	16.98	112 663	15.91	1,792
1953	7 064	20.83	147 100	13.46	1,980
1954	9 514	22.60	215 012	13.18	2,834
1955	8 399	22.25	186 858	14.53	2,715
1956	9 230	22.50	207 670	18.56	3,854
1957	8 668	22.91	198 575	13.81	2,742
1958	8 885	20.02	177 909	18.17	3,233
1959	7 092	24.54	174 065	13.15	2,289
1960	10 145	23.11	234 464	15.13	3,547
1961	8 556	19.94	170 640	14.24	2,430
1962	8 727	20.45	178 473	22.28	3,976
1963	11 381	27.71	315 419	18.36	5,791
1964	12 068	21.40	258 285	15.62	4,034
1965	10 488	22.69	237 930	18.92	4,502
1966	9 326	23.79	221 836	18.51	4,106
1967	10 886	18.90	205 691	19.62	4,036
1968	11 768	23.01	270 725	17.61	4,767
1969	12 789	24.34	311 322	19.07	5,937
1970	9 317	21.05	196 084	18.87	3,702
1971	12 495	26.36	329 326	21.03	6,926
1972	11 371	26.39	300 115	24.33	7,301
1973	9 984	27.95	279 039	35.13	9,803
1974	10 899	18.44	200 938	56.14	11,281
1975	12 915	27.83	359 449	39.99	14,374
1976	12 541	27.90	349 919	34.06	11,918
1977	10 236	39.09	400 102	31.30	12,523
1978	9 575	38.93	372 800	38.17	14,230
1979	8 945	27.97	250 187	77.80	19,466
1980	9 845	23.85	234 787	55.61	13,057
1981	11 229	36.20	406 442	41.33	16,798
1982	11 234	33.14	372 271	52.34	19,485
1983	11 123	27.32	333 900	39.62	13,229
1984	10 768	30.84	332 086	33.99**	11,288
1985	9 602	30.25	290 474	44.64**	12,967**
1986	11 300	30.97	349 693	26.83	9,400

* Includes deficiency payments starting in 1958

**Part payment only

TABLE 84B Historical Production and Value of Sugar Beets — Imperial

Year	Harvested Acres	Yield Per Acre (tons)	Production (tons)	Factory Value* Price per Ton $	Factory Value* Total ($000)
1952	16,392	7.58	124,188	14.43	1,792
1953	17,455	9.29	162,159	12.21	1,980
1954	23,510	10.08	237,008	11.96	2,834
1955	20,754	9.92	205,974	13.18	2,715
1956	22,808	10.04	228,915	16.84	3,854
1957	21,420	10.22	218,889	12.53	2,742
1958	21,955	8.93	196,109	16.48	3,233
1959	17,525	10.95	191,872	11.93	2,289
1960	25,068	10.31	258,450	13.73	3,547
1961	21,141	8.90	188,096	12.92	2,430
1962	21,565	9.12	196,731	20.21	3,976
1963	28,123	12.36	347,686	16.66	5,791
1964	29,819	9.55	284,708	14.17	4,034
1965	25,917	10.12	262,270	17.16	4,502
1966	23,045	10.61	244,530	16.79	4,106
1967	26,899	8.43	226,733	17.80	4,067
1968	29,079	10.26	298,420	15.98	4,737
1969	31,602	10.86	343,170	17.30	5,937
1970	23,022	9.39	216,143	17.12	3,700
1971	30,876	11.76	363,016	19.08	6,926
1972	28,098	11.77	330,817	22.07	7,302
1973	24,670	12.47	307,585	31.87	9,803
1974	26,931	8.22	221,494	50.93	11,281
1975	31,912	12.42	396,221	36.28	14,374
1976	30,990	12.45	385,716	30.90	11,918
1977	25,292	17.44	441,032	28.39	12,523
1978	23,659	17.37	410,937	34.63	14,230
1979	22,103	12.48	275,781	70.58	19,466
1980	24,326	10.64	258,806	50.45	13,057
1981	27,747	16.15	448,021	37.49	16,798
1982	27,759	14.78	410,354	47.48	19,485
1983	27,484	13.39	368,058	35.94	13,229
1984	26,607	13.76	366,058	30.84**	11,288
1985	23,727	13.49	320,189	40.50**	12,967**
1986	28,000	13.79	386,000	24.35	9,400

* Includes deficiency payments starting in 1958.

**Part payment only.

TABLE 85A Historical Production and Value of Potatoes — Metric

Year	Planted Hectares	Yield Per Hectare (kilograms)	Production (tonnes)	Farm Value Price Per Tonne $	Farm Value Total ($000)
1952	6 192	10 694	66 217	58.79	3,893
1953	7 001	11 433	80 042	23.15	1,853
1954	6 353	9 082	57 698	44.82	2,586
1955	6 111	9 076	55 466	47.76	2,649
1956	6 677	12 440	83 063	33.07	2,747
1957	6 192	7 736	47 900	62.46	2,992
1958	6 313	8 609	54 350	40.79	2,217
1959	6 273	7 731	48 499	33.07	1,604
1960	6 880	10 087	69 401	17.64	1,224
1961	8 215	4 237	34 809	35.28	1,228
1962	9 308	12 778	118 934	17.64	2,098
1963	8 013	11 769	94 303	29.39	2,772
1964	8 417	13 451	113 219	66.14	7,488
1965	9 065	13 114	118 879	32.34	3,844
1966	9 915	14 007	138 883	35.35	4,909
1967	10 724	12 265	131 535	33.45	4,400
1968	10 724	12,689	136,080	32.70	4,450
1969	11 736	14 686	172 359	42.34	7,297
1970	13 354	12 569	167 841	40.57	6,810
1971	13 233	14 053	185 967	38.93	7,240
1972	8 903	12 738	113 409	67.72	7,680
1973	12 140	16 439	199 575	46.39	9,258
1974	14 164	15 692	222 260	57.94	12,878
1975	12 950	15 760	204 100	85.74	17,500
1976	14 000	14 579	204 100	69.08	14,100
1977	15 000	16 633	249 500	86.07	21,475
1978	15 000	20 560	308 400	79.64	24,560
1979	15 000	18 827	282 400	79.64	22,490
1980	16 000	17 862	285 800	117.28	33,520
1981	16 600	18 775	311 660	115.96	36,140
1982	16 000	16 500	263 400	137.81	36,294
1983	16 000	16 100	258 000	140.46	36,315
1984	16 200	16 200	264 403	126.93	33,562
1985	18 000	18 900	340 427	111.70	38,025
1986	18 800	19 294	362 700	92.58	33,577

TABLE 85B **Historical Production and Value of Potatoes — Imperial**

Year	Planted Acres	Yield Per Acre (cwt)	Production (000 cwt)	Farm Value Price Per cwt $	Farm Value Total ($000)
1952	15,300	95.4	1,460	2.67	3,893
1953	17,300	102.0	1,765	1.05	1,853
1954	15,700	81.0	1,272	2.03	2,586
1955	15,100	81.0	1,223	2.17	2,649
1956	16,500	111.0	1,831	1.50	2,747
1957	15,300	69.0	1,056	2.83	2,992
1958	15,600	76.8	1,198	1.85	2,217
1959	15,500	69.0	1,069	1.50	1,604
1960	17,000	90.0	1,530	0.80	1,224
1961	20,300	37.8	767	1.60	1,228
1962	23,000	114.0	2,622	0.80	2,098
1963	19,800	105.0	2,079	1.33	2,772
1964	20,800	120.0	2,496	3.00	7,488
1965	22,400	117.0	2,621	1.47	3,844
1966	24,500	125.0	3,062	1.60	4,909
1967	26,500	109.4	2,900	1.52	4,400
1968	26,500	113.2	3,000	1.48	4,450
1969	29,000	131.0	3,800	1.92	7,297
1970	33,000	112.1	3,700	1.84	6,810
1971	32,700	125.4	4,100	1.77	7,240
1972	22,000	113.6	2,500	3.07	7,680
1973	30,000	146.7	4,400	2.10	9,258
1974	35,000	140.0	4,900	2.63	12,878
1975	32,000	140.6	4,500	3.89	17,500
1976	34,500	130.4	4,500	3.13	14,100
1977	37,000	148.6	5,500	3.90	21,475
1978	37,000	183.8	6,800	3.61	24,560
1979	37,000	168.3	6,226	3.61	22,490
1980	39,500	159.5	6,300	5.32	33,520
1981	40,900	168.7	6,900	5.24	36,140
1982	39,500	147.0	5,807	6.25	36,294
1983	39,500	144.0	5,701	6.37	36,315
1984	40,200	145.0	5,829	5.76	33,562
1985	44,500	168.7	7,505	5.07	38,025
1986	46,400	190.0	8,816	3.81	33,577

TABLE 86A **Historical Marketings of Major Crops — Metric**

Crop Year	Wheat	Oats	Barley	Flax	Canola (Rapeseed)
			- tonnes -		
1951-52	1 225 074	386 491	813 330	89 161	NA
1952-53	1 251 854	385 889	968 507	89 593	NA
1953-54	982 824	272 260	660 702	77 959	NA
1954-55	680 019	217 095	752 105	83 369	NA
1955-56	888 412	191 079	495 510	102 853	NA
1956-57	1 072 446	335 506	527 647	172 886	2 600
1957-58	1 133 329	298 601	427 034	73 615	4 100
1958-59	1 282 881	220 797	520 005	91 574	4 600
1959-60	1 317 799	112 365	388 757	84 893	5 000
1960-61	1 289 875	166 080	332 278	130 668	9 600
1961-62	887 949	81 767	178 691	83 420	7 800
1962-63	1 693 706	494 614	272 817	168 009	11 600
1963-64	1 379 000	222 100	186 400	202 400	14 700
1964-65	1 859 400	265 100	190 100	230 100	26 900
1965-66	1 876 700	338 600	285 200	355 400	45 500
1966-67	1 780 500	212 600	312 800	232 200	39 000
1967-68	1 762 300	238 400	269 500	120 400	41 300
1968-69	1 626 000	316 200	241 900	214 200	37 000
1969-70	1 419 800	150 300	588 000	210 700	63 800
1970-71	1 017 800	208 800	633 200	236 900	137 800
1971-72	1 556 800	190 000	1 192 800	116 700	194 800
1972-73	1 768 800	218 300	1 116 900	122 500	191 100
1973-74	1 669 600	216 800	1 002 900	156 400	145 200
1974-75	1 352 400	193 300	704 700	127 700	142 900
1975-76	1 744 300	256 000	631 600	193 300	207 600
1976-77	1 918 500	259 800	974 100	122 300	128 100
1977-78	2 517 500	283 400	1 164 700	262 800	257 000
1978-79	1 913 800	115 800	1 039 200	234 000	472 500
1979-80	2 448 000	38 600	920 500	367 900	471 800
1980-81	1 902 700	42 600	944 100	213 100	274 000
1981-82	2 811 300	84 700	1 354 200	201 900	312 800
1982-83	3 468 800	73 700	1 361 700	310 700	357 900
1983-84	3 018 400	67 800	1 204 200	229 600	332 100
1984-85	3 254 700	68 700	1 299 000	323 700	520 500
1985-86	4 836 200	100 500	1 581 900	452 800	536 500

TABLE 86B **Historical Marketings of Major Crops — Imperial**

Crop Year	Wheat	Oats	Barley	Flax	Canola (Rapeseed)
			- thousand bushels -		
1951-52	45,013	25,061	37,355	3,510	NA
1952-53	45,997	25,022	44,482	3,527	NA
1953-54	36,112	17,654	30,345	3,069	NA
1954-55	24,986	14,077	34,543	3,282	NA
1955-56	32,643	12,390	22,758	4,049	NA
1956-57	39,405	21,755	24,234	6,806	116
1957-58	41,642	19,362	19,613	2,898	182
1958-59	47,137	14,317	23,883	3,605	204
1959-60	48,420	7,286	17,855	3,342	220
1960-61	47,394	10,769	15,261	5,144	425
1961-62	32,626	5,302	8,207	3,284	342
1962-63	62,232	32,072	12,576	6,614	511
1963-64	50,669	14,399	8,559	7,968	647
1964-65	68,323	17,191	8,730	9,059	1,188
1965-66	68,958	21,953	13,097	13,991	2,006
1966-67	65,421	13,785	14,369	9,142	1,720
1967-68	64,755	15,460	13,616	4,738	1,820
1968-69	59,744	20,506	11,110	8,431	1,682
1969-70	52,167	9,744	27,008	8,295	2,815
1970-71	37,396	13,542	29,083	9,327	6,078
1971-72	57,203	12,906	54,783	4,593	8,588
1972-73	64,992	14,152	51,297	4,823	8,426
1973-74	61,349	14,057	46,065	6,158	6,402
1974-75	49,693	12,535	32,368	5,028	6,300
1975-76	64,091	16,598	29,007	7,609	9,152
1976-77	70,494	16,843	44,738	4,814	5,647
1977-78	92,502	18,376	53,494	10,346	11,332
1978-79	70,320	7,509	47,730	9,212	20,834
1979-80	89,949	2,503	42,278	14,484	20,803
1980-81	69,912	2,762	45,659	8,389	12,081
1981-82	103,298	5,492	62,198	7,948	13,792
1982-83	127,457	4,779	62,542	12,232	15,781
1983-84	110,907	4,396	55,309	9,039	14,643
1984-85	119,590	4,455	59,663	12,744	22,950
1985-86	177,701	6,517	72,657	17,826	23,655

TABLE 87A **Historical Quantities of Major Grain Stocks on Farms at July 31 — Metric**

Year	Wheat	Oats	Barley	Flax	Canola (Rapeseed)
			— tonnes —		
1952	27 216	61 688	43 546	8 891	
1953	108 864	131 087	87 092	16 511	
1954	217 728	154 220	348 368	17 781	
1955	81 648	77 110	174 184	17 781	
1956	108 864	123 376	87 092	2 540	
1957	326 592	539 770	195 957	3 810	
1958	244 944	385 550	130 638	2 540	
1959	217 728	262 174	239 503	5 080	
1960	244 944	277 596	304 822	2 540	
1961	353 808	323 862	239 503	5 080	
1962	54 432	77 110	43 546	5 080	
1963	163 296	200 486	65 319	2 540	
1964	81 648	154 220	65 319	3 810	
1965	190 512	246 752	43 546	2 540	
1966	136 080	185 064	43 546	7 621	
1967	190 512	123 376	65 319	2 540	
1968	571 536	138 798	195 957	1 524	
1969	1 088 640	385 550	435 460	5 080	
1970	1 088 640	462 660	195 957	5 080	
1971	517 104	138 798	108 865	20 322	
1972	707 616	215 908	217 730	25 402	52 200
1973	136 080	123 376	174 180	2 540	1 100
1974	136 080	107 950	174 180	7 620	4 500
1975	54 431	61 688	65 317	15 240	6 800
1976	81 646	92 533	108 900	10 160	49 900
1977	571 500	154 200	87 100	12 700	4 500
1978	490 000	185 000	435 000	38 000	6 800
1979	1 115 800	123 400	544 300	66 000	65 800
1980	326 600	46 300	130 600	76 200	91 000
1981	55 000	30 000	65 000	13 000	46 000
1982	270 000	60 000	200 000	10 000	14 000
1983	110 000	110 000	375 000	45 000	10 000
1984	70 000	60 000	70 000	5 000	2 000
1985	40 000	50 000	70 000	3 000	5 000
1986	40 000	100 000	130 000	30 000	15 000

TABLE 87B **Historical Quantities of Major Grain Stocks on Farms at July 31 — Imperial**

Year	Wheat	Oats	Barley	Flax	Canola (Rapeseed)
			— thousand bushels —		
1952	1,000	4,000	2,000	350	
1953	4,000	8,500	4,000	650	
1954	8,000	10,000	16,000	700	
1955	3,000	5,000	8,000	700	
1956	4,000	8,000	4,000	100	
1957	12,000	35,000	9,000	150	
1958	9,000	25,000	6,000	100	
1959	8,000	17,000	11,000	200	
1960	9,000	18,000	14,000	100	
1961	13,000	21,000	11,000	200	
1962	2,000	5,000	2,000	200	
1963	6,000	13,000	3,000	100	
1964	3,000	10,000	3,000	150	
1965	7,000	16,000	2,000	100	
1966	5,000	12,000	2,000	300	
1967	7,000	8,000	3,000	100	
1968	21,000	9,000	9,000	60	
1969	40,000	25,000	20,000	200	
1970	40,000	30,000	9,000	200	
1971	19,000	9,000	5,000	800	
1972	26,000	14,000	10,000	1,000	2,302
1973	5,000	8,000	8,000	100	49
1974	5,000	7,000	8,000	300	198
1975	2,000	4,000	3,000	600	300
1976	3,000	6,000	5,000	400	2,200
1977	21,000	10,000	4,000	500	198
1978	18,000	12,000	20,000	1,500	300
1979	41,000	8,000	25,000	2,600	2,901
1980	12,000	3,000	6,000	3,000	4,012
1981	2,021	1,945	2,985	512	2,028
1982	9,921	3,891	9,186	394	617
1983	4,042	7,133	17,224	1,772	441
1984	2,572	3,891	3,215	197	88
1985	1,470	3,242	3,215	118	220
1986	1,470	6,484	5,971	1,182	661

TABLE 88 **Historical Production Value of Horticultural Crops and Forage Seeds**

Year	Potatoes	Vegetables, Fruits, Ornamentals	Total Horticulture	Forage Seeds
		- thousand dollars -		
1952	3,893	5,190	9,083	624
1953	1,853	5,190	7,043	827
1954	2,586	7,680	10,266	1,759
1955	2,649	6,595	9,244	914
1956	2,747	7,315	10,062	1,271
1957	2,992	8,150	11,142	825
1958	2,217	9,000	11,217	682
1959	1,604	9,000	10,604	1,248
1960	1,224	9,200	10,424	1,086
1961	1,228	9,090	10,318	1,254
1962	2,098	9,330	11,428	2,105
1963	2,772	10,125	12,897	1,503
1964	7,488	9,144	16,632	1,259
1965	3,844	8,861	12,705	2,162
1966	4,909	9,078	13,987	1,762
1967	4,400	10,055	14,455	1,238
1968	4,450	9,310	13,760	571
1969	7,297	9,669	16,966	1,524
1970	6,810	9,713	16,523	1,701
1971	7,240	10,632	17,872	1,684
1972	7,680	11,280	18,960	1,542
1973	9,258	11,375	20,633	5,199
1974	12,878	16,614	29,492	2,625
1975	17,500	17,468	34,968	2,031
1976	14,100	19,153	33,253	3,050
1977	21,475	18,252	39,727	3,828
1978	24,560	20,285	44,845	7,488
1979	22,490	21,786	44,276	8,312
1980	33,520	25,077	58,597	4,902
1981	36,140	26,561	62,701	6,681
1982	36,294	29,155	65,449	5,025
1983	36,315	27,187	63,502	7,371
1984	33,562	37,165	70,727	5,563
1985	38,025	35,796	73,821	6,162
1986	33,577	41,060	74,637	8,184

TABLE 89 **Historical Value of Livestock Production**

Year	Cattle	Hogs	Sheep	Dairy	Poultry	Total
			- thousand dollars -			
1952	41,040	20,592	725	26,722	20,636	109,715
1953	29,892	14,214	615	28,289	22,600	95,610
1954	30,393	18,768	549	28,748	22,955	101,413
1955	34,860	18,392	556	29,689	22,538	106,035
1956	32,384	16,560	510	29,641	24,175	103,270
1957	35,350	20,915	577	29,473	23,000	109,315
1958	51,552	30,143	608	32,307	25,362	139,972
1959	49,764	24,465	559	31,430	23,487	129,705
1960	50,142	17,820	614	30,959	22,031	121,566
1961	51,816	25,662	701	30,952	23,393	132,524
1962	53,048	19,614	609	30,962	21,907	126,140
1963	56,518	23,688	628	30,730	23,860	135,424
1964	54,120	25,740	629	29,986	23,856	134,331
1965	54,929	29,760	552	30,425	26,843	142,509
1966	66,341	38,324	500	29,999	30,179	165,343
1967	66,220	37,048	455	32,699	25,975	162,397
1968	64,944	35,010	400	33,775	28,522	162,651
1969	85,188	58,862	290	32,797	33,271	210,408
1970	92,303	63,826	183	32,063	33,294	221,669
1971	98,978	46,892	391	32,119	27,277	205,657
1972	112,880	71,940	470	35,980	31,879	253,149
1973	155,880	106,190	604	41,731	50,535	354,940
1974	147,840	79,402	621	57,592	52,902	338,357
1975	122,208	89,610	546	66,796	46,413	325,573
1976	113,004	87,591	415	70,360	58,455	329,825
1977	129,168	85,002	416	71,455	58,723	344,764
1978	180,780	110,000	596	67,780	61,437	420,593
1979	258,060	131,075	696	73,176	73,186	536,193
1980	248,880	118,064	871	85,496	80,171	533,482
1981	191,265	138,208	782	96,938	96,663	523,856
1982	188,692	170,408	941	106,036	95,872	561,949
1983	203,148	166,750	916	108,734	103,845	583,393
1984	240,500	191,261	929	116,172	112,550	661,412
1985	261,151	196,840	1,528	113,305	112,057	684,887
1986	269,564	254,533	2,085	117,410	111,869	755,461

TABLE 90 **Historical Production and Value of Cattle**

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Inshipments (minus)	Total	Value Per Animal $	Total Value ($000)
		- thousand animals -					
1952	209	21	64	9	285	144	41,040
1953	257	16	20	11	282	106	29,892
1954	281	25	13	12	307	99	30,393
1955	268	22	54	12	332	105	34,860
1956	292	26	41	7	352	92	32,384
1957	346	32	-22	6	350	101	35,350
1958	356	26	-12	12	358	144	51,552
1959	300	23	45	20	348	143	49,764
1960	317	22	53	26	366	137	50,142
1961	402	26	-16	31	381	136	51,816
1962	313	23	73	60	349	152	53,048
1963	347	24	66	70	367	154	56,518
1964	399	24	49	62	410	132	54,120
1965	528	28	-62	81	413	133	54,929
1966	508	28	-42	87	407	163	66,341
1967	500	28	-52	91	385	172	66,220
1968	468	28	-57	70	369	176	64,944
1969	392	27	84	131	372	229	85,188
1970	416	26	45	104	383	241	92,303
1971	417	26	28	62	409	242	98,978
1972	432	26	42	85	415	272	112,880
1973	429	28	73	97	433	360	155,880
1974	398	26	71	47	448	330	147,840
1975	512	34	-38	52	456	268	122,208
1976	567	31	-40	120	438	258	113,004
1977	639	26	-58	139	468	276	129,168
1978	523	23	-91	62	393	460	180,780
1979	444	21	-43	31	391	660	258,060
1980	444	22	-7	51	408	610	248,880
1981	367	20	-30	46	311	615	191,265
1982	435	15	-80	48	322	586	188,692
1983	378	20	-20	36	342	594	203,148
1984	411	18	-33	28	368	653	240,500
1985	434	9	-27	23	393	664	261,151
1986	409	10	0	25	394	684	269,564

TABLE 91 Historical Commercial Marketings of Cattle — Manitoba Origin

Year	Under 1 Year		1 Year and Over		Total		
	Animals (000)	Value ($000)	Animals (000)	Value ($000)	Animals (000)	Value Each $	Value ($000)
1952	63	3,541	146	26,653	209	144	30,194
1953	82	3,858	175	23,261	257	106	27,119
1954	88	3,785	193	23,994	281	99	27,779
1955	82	3,832	186	24,362	268	105	28,194
1956	89	3,810	203	23,114	292	92	26,924
1957	98	4,306	248	30,533	346	101	34,839
1958	101	7,845	255	43,410	356	144	51,255
1959	89	6,675	211	36,162	300	143	42,837
1960	87	6,197	230	37,387	317	137	43,584
1961	111	8,721	291	46,143	402	136	54,864
1962	93	7,921	220	39,778	313	152	47,699
1963	90	6,776	257	46,581	347	154	53,357
1964	109	6,016	290	46,649	399	132	52,665
1965	165	11,068	363	59,234	528	133	70,302
1966	156	13,081	352	69,811	508	163	82,892
1967	165	15,135	335	70,886	500	172	86,021
1968	147	13,065	321	69,510	468	176	82,575
1969	94	10,682	298	79,123	392	229	89,805
1970	97	13,738	319	86,454	416	241	100,192
1971	109	15,674	308	85,169	417	242	100,843
1972	108	16,621	324	100,766	432	272	117,387
1973	105	24,044	324	130,370	429	360	154,414
1974	73	11,460	325	119,880	398	330	131,340
1975	91	9,874	421	127,342	512	268	137,216
1976	102	11,901	465	134,385	567	258	146,286
1977	122	15,494	517	160,870	639	276	176,364
1978	76	20,748	447	219,832	523	460	240,580
1979	73	32,131	371	260,909	444	660	293,040
1980	70	25,054	374	245,786	444	610	270,840
1981	47	14,095	320	211,610	367	615	225,705
1982	68	21,796	367	233,114	435	586	254,910
1983	72	35,576	306	188,956	378	594	224,532
1984	42	14,322	369	254,061	411	653	268,383
1985	56	19,712	378	268,464	434	664	288,176
1986	66	31,908	343	256,634	409	684	279,600

TABLE 92 **Historical Production and Value of Hogs**

Year	Commercial Marketings	Local Slaughterings	Inventory Change	Total	Value Per Animal ($)	Total Value ($000)
	- thousand animals -					
1952	453	87	-12	528	39	20,592
1953	321	69	-81	309	46	14,214
1954	336	70	-15	391	48	18,768
1955	434	84	-34	484	38	18,392
1956	388	70	-44	414	40	16,560
1957	332	64	49	445	47	20,915
1958	464	54	183	701	43	30,143
1959	654	87	-42	699	35	24,465
1960	506	76	-87	495	36	17,820
1961	519	66	26	611	42	25,662
1962	467	60	-60	467	42	19,614
1963	437	50	77	564	42	23,688
1964	582	52	26	660	39	25,740
1965	579	49	-8	620	48	29,760
1966	595	47	95	737	52	38,324
1967	766	56	20	842	44	37,048
1968	751	53	-26	778	45	35,010
1969	778	50	225	1,053	54	56,862
1970	1,093	50	215	1,358	47	63,826
1971	1,352	57	-175	1,234	38	46,892
1972	1,238	50	20	1,308	55	71,940
1973	1,277	55	-37	1,295	82	106,190
1974	1,270	53	-250	1,073	74	79,402
1975	886	52	-68	870	103	89,610
1976	835	46	22	903	97	87,591
1977	852	37	25	914	93	85,002
1978	895	40	65	1,000	110	110,000
1979	1,084	36	105	1,225	107	131,075
1980	1,250	30	-24	1,256	94	118,064
1981	1,220	23	-9	1,234	112	138,208
1982	1,229	24	0	1,253	136	170,408
1983	1,358	20	72	1,450	115	166,750
1984	1,583	26	40	1,649	116	191,261
1985	1,777	20	-55	1,742	113	196,846
1986	1,743	21	41	1,805	141	254,533

TABLE 93 Historical Commercial Hog Marketings — Manitoba Origin

Year	Animals (000)	Value Each $	Total Value ($000)
1952	453	39	17,667
1953	321	46	14,766
1954	336	48	16,128
1955	434	38	16,492
1956	388	40	15,520
1957	332	47	15,604
1958	464	43	19,952
1959	654	35	22,890
1960	506	36	18,216
1961	519	42	21,798
1962	467	42	19,614
1963	437	42	18,354
1964	582	39	22,698
1965	579	48	27,792
1966	595	52	30,940
1967	766	44	33,704
1968	751	45	33,795
1969	778	54	42,012
1970	1,093	47	51,371
1971	1,352	38	51,376
1972	1,238	55	68,090
1973	1,277	82	104,714
1974	1,270	74	93,980
1975	886	103	91,258
1976	835	97	80,995
1977	852	93	79,236
1978	895	110	98,450
1979	1,084	107	115,988
1980	1,250	94	117,500
1981	1,220	112	136,640
1982	1,229	136	167,144
1983	1,358	115	156,170
1984	1,583	116	183,628
1985	1,777	113	200,756
1986	1,743	141	245,763

TABLE 94 Historical Sheep and Wool Production and Value

Year	Sheep and Lamb Marketings		Wool			
	Animals (000)	Value ($000)	Kilograms Shorn (000)	Pounds Shorn (000)	Value ($000)	Total Value ($000)
1952	32	634	117	259	91	725
1953	33	525	117	258	90	615
1954	34	462	120	264	87	549
1955	37	480	111	244	76	556
1956	33	425	117	259	85	510
1957	34	496	102	224	81	577
1958	34	507	115	254	101	608
1959	32	455	114	252	104	559
1960	37	502	112	247	112	614
1961	42	561	128	283	140	701
1962	36	492	116	256	117	609
1963	34	516	107	236	112	628
1964	33	528	96	211	101	629
1965	28	439	85	188	113	552
1966	24	422	74	163	78	500
1967	23	384	74	163	71	455
1968	16	337	62	137	63	400
1969	10	240	58	128	50	290
1970	6	126	68	149	57	183
1971	17	357	68	150	34	391
1972	19	437	60	132	33	470
1973	18	507	63	138	97	604
1974	18	569	65	142	52	621
1975	15	520	44	98	26	546
1976	11	374	49	108	41	415
1977	10	388	34	75	28	416
1978	11	570	27	60	26	596
1979	13	655	29	61	41	696
1980	17	806	45	100	65	871
1981	18	700	45	99	62	762
1982	22	883	62	135	58	941
1983	20	874	68	149	63	937
1984	21	895	61	135	75	970
1985	20	1,494	53	117	51	1,545
1986	23	2,044	39	85	41	2,085

TABLE 95A **Historical Dairy Production and Value — Metric**

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million kg)	Total Farm Value ($000)	Creamery Butter (000 kg)	Cheddar Cheese (000 kg)	Ice Cream (000 litres)
1952	457	26,722	10 682	642	8 328
1953	480	28,289	11 336	544	8 101
1954	488	28,748	11 345	557	7 755
1955	501	39,689	11 348	473	8 110
1956	489	29,641	10 596	485	7 569
1957	484	29,473	10 683	573	7 683
1958	511	32,307	12 092	314	7 965
1959	496	31,430	11 626	175	8 587
1960	485	30,959	11 239	221	9 547
1961	482	30,952	11 466	250	10 342
1962	484	30,962	11 614	286	10 760
1963	476	30,730	11 295	371	12 297
1964	459	29,986	10 688	428	13 333
1965	433	30,425	9 891	519	13 397
1966	401	29,999	8 559	654	13 220
1967	386	32,699	7 743	961	14 365
1968	390	33,775	8 009	909	14 356
1969	386	32,797	7 765	1 467	14 734
1970	374	32,063	7 100	1 919	15 284
1971	361	32,119	6 225	2 642	14 911
1972	369	35,980	5 906	4 324	15 465
1973	366	41,731	5 446	4 424	16 020
1974	346	57,561	4 611	4 248	17 556
1975	333	66,796	4 745	4 627	19 266
1976	329	70,360	4 055	4 616	20 448
1977	328	71,455	4 131	4 885	19 280
1978	291	67,780	4 276	5 122	19 752
1979	288	73,176	4 205	6 011	19 992
1980	297	85,606	4 199	6 857	21 338
1981	298	96,938	3 774	6 465	10 976
1982	303	106,036	4 266	4 788	10 540
1983	302	108,734	3 857	6 702	10 358
1984	307	116,172	3 819	6 906	9 837
1985	299	113,305	3 746	6 465	9 450
1986	291	117,410	3 859	5 859	8 638

TABLE 95B **Historical Dairy Production and Value — Imperial**

Year	Milk Production		Factory Products		
	Whole Milk or Equivalent (million lb)	Total Farm Value ($000)	Creamery Butter (000 lb)	Cheddar Cheese (000 lb)	Ice Cream (000 gals)
1952	1,008	26,722	23,549	1,415	1,832
1953	1,059	28,289	24,992	1,199	1,782
1954	1,075	28,748	25,012	1,227	1,706
1955	1,104	39,689	25,018	1,043	1,784
1956	1,079	29,641	23,360	1,069	1,665
1957	1,066	29,473	23,552	1,263	1,690
1958	1,127	32,307	26,657	693	1,752
1959	1,093	31,430	25,630	385	1,889
1960	1,070	30,959	24,778	487	2,100
1961	1,062	30,952	25,278	551	2,275
1962	1,066	30,962	25,605	631	2,367
1963	1,049	30,730	24,901	817	2,705
1964	1,011	29,986	23,563	944	2,933
1965	955	30,425	21,806	1,145	2,947
1966	885	29,999	18,868	1,441	2,908
1967	851	32,699	17,071	2,118	3,160
1968	860	33,775	17,656	2,004	3,158
1969	851	32,797	17,119	3,235	3,241
1970	825	32,063	15,652	4,230	3,362
1971	796	32,119	13,723	5,824	3,280
1972	813	35,980	13,020	9,532	3,402
1973	805	41,731	12,006	9,753	3,526
1974	763	57,592	10,165	9,366	3,862
1975	735	66,796	10,462	10,201	4,238
1976	725	70,360	8,940	10,176	4,410
1977	722	71,455	9,107	10,769	4,242
1978	642	67,780	9,427	11,290	4,345
1979	635	73,176	9,270	13,252	4,398
1980	654	85,606	9,257	15,117	4,694
1981	655	96,938	8,320	14,253	2,338
1982	666	106,036	9,405	10,556	2,245
1983	663	108,734	8,502	14,776	2,278
1984	675	116,172	8,419	15,225	2,164
1985	658	113,305	8,258	14,253	2,079
1986	642	117,410	8,509	12,919	1,900

TABLE 96 **Historical Poultry Production Value**

Year	Eggs	Meat	Total
		- thousand dollars -	
1952	9,148	11,488	20,636
1953	12,227	10,373	22,600
1954	10,565	12,390	22,955
1955	11,290	11,248	22,538
1956	11,573	12,602	24,175
1957	10,882	12,118	23,000
1958	11,327	14,035	25,362
1959	10,160	13,327	23,487
1960	9,990	12,041	22,031
1961	10,079	13,314	23,393
1962	10,467	11,440	21,907
1963	12,119	11,741	23,860
1964	11,519	12,337	23,856
1965	13,429	13,414	26,843
1966	15,877	14,302	30,179
1967	14,378	11,597	25,975
1968	16,624	11,898	28,522
1969	19,944	13,441	33,385
1970	18,679	14,615	33,294
1971	14,176	13,101	27,277
1972	15,931	15,948	31,879
1973	26,992	23,543	50,535
1974	28,280	25,047	53,327
1975	25,774	20,452	46,226
1976	30,693	27,762	58,455
1977	30,232	28,491	58,723
1978	31,805	29,632	61,437
1979	34,978	38,208	73,186
1980	40,069	40,102	80,171
1981	47,940	47,608	95,548
1982	46,054	57,525	103,579
1983	47,375	56,470	103,845
1984	51,808	60,742	112,550
1985	51,323	60,734	112,057
1986	50,471	61,398*	111,869

* Includes value for "started pullets".

TABLE 97A Historical Livestock Prices by Grade, St. Boniface Stockyards — Metric

Year	- LIVE CATTLE - Good Slaughter Steers (A3)	Good Slaughter Cows (D1,D2)	Good Feeder Steers	Good and Choice Veal	All Grades Over 227 kg	All Grades Calves Only	HOGS Index 100 Grades Dressed	SHEEP All Live Sheep & Lambs
	- cents per kilogram -							
1952	52.8	35.3	43.1	57.5	41.6	47.5	53.9	45.5
1953	40.0	25.3	33.1	50.0	30.6	38.9	60.4	38.3
1954	38.4	23.5	33.4	48.2	29.0	37.5	61.4	34.3
1955	40.7	26.1	35.4	51.4	30.8	40.7	48.6	33.8
1956	39.5	24.1	35.7	51.2	29.3	38.0	51.6	32.8
1957	39.2	26.2	37.5	52.1	31.4	40.3	62.2	35.9
1958	48.4	36.6	47.6	62.7	42.6	55.2	55.6	37.6
1959	52.6	37.6	50.5	70.0	44.4	53.8	47.0	35.7
1960	47.8	34.2	46.3	67.1	40.4	51.9	47.7	34.8
1961	47.2	34.2	47.3	66.9	40.9	53.7	54.8	33.0
1962	54.8	37.9	53.8	73.5	45.9	60.8	56.6	35.6
1963	50.7	37.7	51.2	71.5	44.5	54.1	54.7	37.5
1964	48.2	34.0	46.0	67.7	39.7	46.4	51.9	38.8
1965	51.3	32.6	48.6	65.7	40.0	47.1	67.6	42.2
1966	55.6	41.6	56.3	75.7	47.2	57.3	73.7	44.1
1967	59.3	44.0	58.5	85.7	50.0	60.3	60.7	41.6
1968	59.2	43.1	59.2	83.6	51.2	62.4	62.0	47.3
1969	64.2	52.8	70.6	92.7	60.4	76.3	78.2	53.2
1970	66.6	51.6	72.8	103.0	62.5	79.0	64.4	59.1
1971	71.4	50.9	74.4	103.8	63.4	81.2	50.4	54.6
1972	77.3	58.3	85.5	117.5	70.2	91.4	75.0	61.3
1973	96.0	77.3	103.1	146.5	85.8	112.2	113.1	74.5
1974	104.5	59.8	89.6	155.0	81.5	90.9	101.7	99.2
1975	89.5	46.9	78.0	97.5	63.1	58.8	137.9	108.5
1976	78.1	50.5	79.4	103.7	61.0	63.4	130.1	110.4
1977	80.4	55.3	83.0	97.8	65.9	66.6	125.2	140.3
1978	118.6	88.0	129.3	163.2	101.9	123.3	149.5	130.3
1979	153.5	125.4	177.4	243.4	142.5	186.5	141.4	182.8
1980	151.7	114.7	167.6	243.7	135.2	176.9	124.9	146.5
1981	154.9	106.0	159.9	238.9	130.8	161.5	148.6	120.9
1982	153.3	102.3	158.3	238.0	124.3	160.0	177.7	101.3
1983	149.5	104.3	159.6	237.3	119.5	170.2	151.0	110.8
1984	162.8	106.9	165.3	241.1	126.5	173.4	154.5	112.9
1985	156.8	107.5	165.8	220.7	121.0	167.4	146.1	123.5
1986	157.8	110.4	167.6	218.2	122.9	178.7	178.8	134.2

TABLE 97B **Historical Livestock Prices by Grade, St. Boniface Stockyards — Imperial**

Year	- LIVE CATTLE - Good Slaughter Steers (A3)	Good Slaughter Cows (D1,D2)	Good Feeder Steers	Good and Choice Veal	All Grades Over 500 lbs	All Grades Calves Only	HOGS Index 100 Grades Dressed	SHEEP All Live Sheep & Lambs
	- dollars per 100 pounds -							
1952	23.95	16.00	19.55	26.10	18.85	21.55	24.45	20.65
1953	18.14	11.48	15.01	22.68	13.87	17.64	27.40	17.39
1954	17.40	10.95	16.20	23.20	13.30	17.25	23.40	14.90
1955	18.45	11.85	16.04	23.30	13.95	18.45	22.05	15.35
1956	17.91	10.64	15.15	21.85	13.17	16.99	27.85	15.57
1957	17.78	11.90	17.00	23.65	14.23	18.26	28.20	16.28
1958	21.95	16.60	21.60	28.45	19.31	25.02	25.20	17.06
1959	23.85	17.05	22.90	31.75	20.12	24.39	21.30	16.19
1960	21.70	15.50	21.00	30.45	18.32	23.56	21.65	15.78
1961	21.40	15.50	21.45	30.35	18.55	24.35	24.85	14.95
1962	24.85	17.20	24.40	33.35	20.80	27.60	25.65	16.15
1963	23.00	17.10	23.20	32.45	20.20	24.55	24.80	17.00
1964	21.85	15.40	20.85	30.70	18.00	21.05	23.55	17.60
1965	23.25	14.80	22.05	29.80	18.15	21.35	30.65	19.15
1966	25.20	18.85	25.55	34.35	21.40	26.00	33.45	20.00
1967	26.88	19.95	26.55	38.85	22.70	27.35	27.55	18.85
1968	26.85	19.55	26.85	37.90	23.20	28.30	28.10	21.45
1969	29.10	23.95	32.00	42.05	27.40	34.60	35.45	24.15
1970	30.20	23.42	33.00	46.70	28.35	35.85	29.20	26.80
1971	32.40	23.10	33.75	47.10	28.75	36.85	22.85	24.75
1972	35.07	26.45	38.80	53.30	31.86	41.44	34.00	27.80
1973	43.53	35.06	46.76	66.44	38.91	50.90	51.31	39.93
1974	47.41	27.12	40.62	70.30	36.97	41.22	46.12	45.00
1975	40.58	21.27	35.37	44.24	28.63	26.66	62.55	49.22
1976	35.43	22.92	36.02	47.04	27.67	28.74	59.03	50.10
1977	36.47	25.10	37.66	44.37	29.88	30.23	56.78	63.64
1978	53.78	39.93	58.67	74.04	46.21	55.91	67.83	59.12
1979	69.62	56.88	80.49	110.39	64.62	84.58	64.15	82.94
1980	68.80	52.05	76.04	110.56	61.33	80.25	56.67	66.44
1981	70.26	48.10	72.55	108.37	59.31	73.26	67.40	54.82
1982	69.54	46.42	71.81	107.97	56.38	72.43	80.61	45.95
1983	67.83	47.29	72.38	107.65	54.21	77.18	68.49	50.27
1984	73.83	48.49	74.98	109.38	57.39	78.65	70.10	51.19
1985	71.12	48.75	75.21	100.12	54.89	75.92	66.25	56.04
1986	71.58	50.07	76.03	98.96	55.77	81.06	81.10	60.86

TABLE 98 Historical Numbers of Livestock on Farms

Year	Cattle: Milk Cows Only	Cattle: All Cattle	Hogs	Sheep	Hens and Chickens*	Turkeys
	- thousand animals or birds, June 1 -					
1952	219	738	390	72	6,650	435
1953	219	772	265	75	6,330	370
1954	220	792	320	76	6,715	510
1955	221	819	351	76	5,940	550
1956	223	872	311	73	5,990	664
1957	216	885	314	72	6,350	772
1958	209	868	453	78	6,980	932
1959	202	892	503	74	7,000	1,214
1960	198	931	371	76	6,400	880
1961	196	996	432	81	6,267	1,145
1962	185	982	334	76	5,465	970
1963	175	1,066	391	73	5,700	970
1964	172	1,152	460	72	6,270	885
1965	163	1,184	421	61	5,820	1,000
1966	150	1,151	499	51	5,844	1,091
1967	137	1,099	589	45	6,330	925
1968	129	1,029	547	38	6,380	870
1969	121	1,006	615	37	7,340	825
1970	116	1,104	907	40	8,540	900
1971	110	1,138	943	42	7,613	1,033
1972	105	1,210	893	36	7,530	1,000
1973	101	1,247	956	33	4,310	NA
1974	99	1,386	826	26	4,095	NA
1975	96	1,458	582	23	3,787	NA
1976	92	1,411	632	21	3,470	NA
1977	91	1,373	650	19	NA	NA
1978	88	1,262	683	20	NA	NA
1979	80	1,227	804	26	NA	NA
1980	80	1,186	823	28	NA	NA
1981	83	1,162	865	35	6,155	597
1982	80	1,125	865	38	NA	NA
1983	79	1,063	948	39	NA	NA
1984	78	985	1,060	37	NA	NA
1985	78	1,070	1,170	32	NA	NA
1986*	65	1,115	1,071	25	6,298	730

* Hens and pullets only since 1973.

OTHER PRODUCTS

TABLE 99 Historical Production Value of Other Farm Products

Year	Honey	Fur	Forest	Total
		- thousand dollars -		
1952	490	2,350	516	3,356
1953	657	2,401	490	3,548
1954	630	3,201	463	4,294
1955	870	3,848	437	5,155
1956	896	3,622	411	4,929
1957	869	3,493	385	4,747
1958	812	3,308	359	4,479
1959	820	3,514	333	4,667
1960	873	3,078	307	4,258
1961	987	2,798	267	4,052
1962	773	3,097	226	4,096
1963	1,117	3,115	186	4,418
1964	1,017	3,111	145	4,273
1965	1,112	4,363	105	5,580
1966	1,379	3,379	117	4,875
1967	1,586	3,102	164	4,852
1968	685	2,827	200	3,712
1969	1,469	2,322	232	4,023
1970	1,520	1,348	250	3,118
1971	1,355	1,088	279	2,722
1972	3,010	1,081	352	4,443
1973	3,874	1,200	400	5,474
1974	3,517	976	378	4,871
1975	3,176	989	362	4,527
1976	4,798	1,320	482	6,600
1977	5,217	1,600	262	7,079
1978	8,019	2,614	258	10,891
1979	9,264	2,568	298	12,130
1980	9,278	2,157	280	11,715
1981	10,748	2,119	1,083	13,950
1982	10,963	1,839	1,054	13,856
1983	9,898	1,878	1,157	12,933
1984	9,753	1,582	1,137	12,472
1985	10,560	1,989	1,195	12,852
1986*	8,800	1,806	1,322	11,928

* Includes wildlife fur 5,061.

RESOURCES

TABLE 100A Census Land Use, Manitoba Farms, 1941-1986 — Metric

Year	- Improved Land - Crops	Pasture	Fallow	Other	Total	Unimproved Land	Total Land
	- thousand hectares -						
1941	2 561	185	1 120	112	3 978	2 858	6 836
1946	2 608	208	1 036	103	3 955	2 791	6 746
1951	2 968	237	1 019	131	4 355	2 820	7 175
1956	3 110	241	1 144	140	4 635	2 622	7 257
1961	3 112	291	1 307	132	4 842	2 511	7 353
1966	3 518	312	1 080	127	5 037	2 686	7 723
1971	3 691	296	1 074	120	5 181	2 511	7 692
1976	3 848	311	934	124	5 217	2 483	7 700
1981	4 420	353	598	133	5 504	2 112	7 616
1986	4 519	679	509	100	5 403	2 337	7 740

TABLE 101A Census Farm Numbers and Sizes, 1941-1986 — Metric

Year	Farms	Average Size Total Hectares	Average Size Improved Hectares
1941	58,024	118	68
1946	54,448	124	72
1951	52,383	137	83
1956	49,201	147	94
1961	43,306	170	112
1966	39,747	194	127
1971	34,981	220	148
1976	32,104	240	162
1981	29,442	259	187
1986	27,336	283	198

TABLE 102A Census Farm Area Land Use by Tenure, 1941-1986 — Metric

Year	Area Operated By: Owners	Renters	Owners-Renters	Managers	Total Area Owned or Managed	Rented
			- thousand hectares -			
1941	3 744	1 386	1 637	69	4 698	2 138
1946	4 062	973	1 618	94	5 056	1 691
1951	4 264	722	2 019	170	5 580	1 595
1956	4 092	655	2 335	175	5 592	1 665
1961	3 722	552	2 843	236	5 551	1 802
1966	3 878	379	3 228	238	5 938	1 785
1971	3 581	371	3 740	NA	5 691	2 001
1976	3 283	479	3 938	NA	5 500	2 200
1981	2 668	579	4 369	NA	5 098	2 518
1986	NA	NA	NA	NA	4 871	2 869

TABLE 100B **Census Farm Area and Land Use, Manitoba Farms, 1941-1986 — Imperial**

Year	- Improved Land - Crops	Pasture	Fallow	Other	Total	Unimproved Land	Total Land
	- thousand acres -						
1941	6,328	456	2,767	278	9,829	7,062	16,891
1946	6,445	514	2,560	254	9,773	6,898	16,671
1951	7,335	585	2,519	323	10,762	6,968	17,730
1956	7,686	595	2,828	345	11,454	6,478	17,932
1961	7,689	720	3,230	325	11,964	6,206	18,170
1966	8,694	770	2,669	313	12,446	6,638	19,084
1971	9,122	731	2,655	296	12,804	6,204	19,008
1976	9,508	769	2,308	306	12,891	6,135	19,026
1981	10,923	871	1,479	328	13,601	5,218	18,819
1986	11,168	679	1,258	246	13,351	5,775	19,127

TABLE 101B **Census Farm Numbers and Sizes, 1941-1986 — Imperial**

Year	Farms	Average Size Total Acres	Average Size Improved Acres
1941	58,024	291	169
1946	54,448	306	179
1951	52,383	338	205
1956	49,201	364	233
1961	43,306	420	276
1966	39,747	480	313
1971	34,981	543	366
1976	32,104	593	402
1981	29,442	639	462
1986	27,336	700	488

TABLE 102B **Census Farm Area and Land Use by Tenure, 1941-1986 — Imperial**

Year	Area Operated By: Owners	Renters	Owners-Renters	Managers	Total Area Owned or Managed	Rented
			- thousand acres -			
1941	9,252	3,424	4,044	171	11,609	5,283
1946	10,038	2,404	3,997	232	12,494	4,178
1951	10,536	1,784	4,989	421	13,788	3,942
1956	10,111	1,618	5,770	433	13,818	4,113
1961	9,196	1,365	7,026	583	13,716	4,454
1966	9,584	936	7,977	587	14,673	4,411
1971	8,849	917	9,242	NA	14,063	4,945
1976	8,112	1,183	9,731	NA	13,591	5,435
1981	6,592	1,430	10,797	NA	12,596	6,223
1986	NA	NA	NA	NA	12,038	7,089

TABLE 103 Census Farm and Total Population, 1941-1986

Year	Farms	Farm Population	Manitoba Population	Farm Percent of Total
1941	58,024	249,599	729,744	34.2
1946	54,448	224,919	726,923	30.9
1951	52,383	219,233	776,541	28.2
1956	49,201	202,163	850,040	23.8
1961	43,306	172,946	921,686	18.8
1966	39,747	161,662	963,066	16.8
1971	34,981	131,202	988,247	13.3
1976	32,104	114,115	1,021,506	11.2
1981	29,442	98,375	1,026,241	9.6
1986	27,336	86,505	1,071,232	NA

TABLE 104 Dicennial Census Farm Labour Force, 1941-1986

Year	Male	Female	Total
1941	90,774	1,505	92,279
1951	70,109	3,586	73,695
1961	51,700	7,601	59,301
1971	48,445	39,040	87,485
1981	NA	NA	NA
1986	NA	NA	NA

TABLE 105 Census Capital Investment Values, 1941-1986

Year	Land and Buildings	Machinery and Equipment	Livestock	Total	Per Farm $
		- million dollars -			
1941	229	59	51	339	5,800
1946	339	94	71	504	9,300
1951	529	232	156	917	17,500
1956	604	244	110	958	19,500
1961	720	272	162	1,154	26,600
1966	1,178	380	199	1,757	44,200
1971	1,374	412	270	2,056	58,800
1976	3,208	960	367	4,535	141,300
1981	7,836	1,823	792	10,451	355,000
1986	6,584	2,231	739	9,555	349,500

TABLE 106 **Historical Quantities of Grain Used for Feed and Seed on Manitoba Farms**
(includes waste and dockage)

Crop Year	Wheat	Oats	Barley	Wheat	Oats	Barley
	- 000 tonnes -			- million bushels -		
1951 - 1952	218	555	435	8	36	20
1952 - 1953	218	540	544	8	35	25
1953 - 1954	218	524	414	8	34	19
1954 - 1955	245	416	370	9	27	17
1955 - 1956	218	540	457	8	35	21
1956 - 1957	218	601	283	8	39	13
1957 - 1958	218	601	348	8	39	16
1958 - 1959	327	679	327	12	44	15
1959 - 1960	342	643	264	12.6	41.7	12.1
1960 - 1961	398	652	256	14.6	42.3	11.8
1961 - 1962	337	535	214	12.4	34.7	9.8
1962 - 1963	374	1 202	161	13.7	77.9	7.4
1963 - 1964	365	781	161	13.4	50.6	7.4
1964 - 1965	345	768	180	12.7	49.8	8.3
1965 - 1966	328	865	195	12.1	56.1	9.0
1966 - 1967	315	836	276	11.6	54.2	12.7
1967 - 1968	307	764	291	11.3	49.5	13.4
1968 - 1969	334	686	455	12.3	44.5	20.9
1969 - 1970	322	837	522	11.8	54.3	24.0
1970 - 1971	384	932	608	14.1	60.4	27.9
1971 - 1972	430	896	745	15.8	58.1	34.2
1972 - 1973	517	723	778	19.0	46.9	35.7
1973 - 1974	426	770	804	15.7	49.9	36.9
1974 - 1975	336	516	558	12.3	33.5	25.6
1975 - 1976	351	484	434	12.9	31.4	19.9
1976 - 1977	394	620	507	14.5	40.2	23.3
1977 - 1978	313	580	534	11.5	37.6	24.5
1978 - 1979	290	578	703	10.7	37.5	32.3
1979 - 1980	382	346	756	14.0	22.4	34.7
1980 - 1981	274	251	640	10.1	16.3	29.4
1981 - 1982	300	348	841	11.0	22.6	38.6
1982 - 1983	381	389	808	14.0	25.2	37.1
1983 - 1984	421	372	662	15.5	24.1	30.4
1984 - 1985	507	377	611	18.6	24.4	28.1
1985 - 1986	390	405	884	14.3	26.3	40.6

TABLE 107 Historical Numbers of Machinery on Farms, 1951-1986

Year	Tractors	Trucks	Combines	Swathers	Balers
1951	50,984	21,163	15,268	-	-
1956	59,265	26,556	21,425	-	-
1961	61,463	31,806	23,662	20,408	8,573
1966	65,552	36,689	24,815	23,530	12,712
1971	64,587	41,306	23,325	23,833	13,472
1976	67,077	49,844	23,467	23,843	14,173
1981	67,342	54,070	22,631	24,291	15,694
1986	73,945	57,502	21,946	24,528	15,317

TABLE 108 Historical Sales of Selected Farm Machinery in Manitoba, 1952 - 1986

Year	Tractors	Combines	Swathers	Balers
1952	4,508	2,675	1,761	-
1953	3,663	1,899	1,291	-
1954	2,250	669	571	-
1955	2,216	892	679	-
1956	2,189	1,101	1,443	-
1957	2,015	877	861	963
1958	2,263	739	-	1,157
1959	2,486	1,009	768	1,547
1960	2,461	1,079	783	1,518
1961	1,803	496	743	1,043
1962	2,298	1,228	1,221	1,807
1963	2,735	1,378	1,328	1,187
1964	3,221	1,572	2,231	1,399
1965	3,037	1,900	2,339	1,212
1966	3,692	1,702	1,709	1,021
1967	2,973	1,454	1,838	642
1968	1,949	1,223	1,763	562
1969	1,610	642	1,100	537
1970	1,482	393	606	489
1971	1,138	482	772	485
1972	1,583	506	958	595
1973	2,371	856	1,462	779
1974	2,622	675	939	731
1975	2,823	856	1,471	1,007
1976	2,730	604	1,515	1,163
1977	2,190	1,012	1,131	850
1978	2,485	695	NA	297
1979	2,610	1,018	1,191	817
1980	2,251	781	1,249	810
1981	2,132	1,056	1,328	645
1982	1,787	636	977	465
1983	1,453	578	740	481
1984	1,550	580	787	383
1985	1,641	809	867	419
1986	1,378	591	430	529

TABLE 109 **Historical Sales of Fertilizers, 1959-1986**

Year Ending June 30	Materials	Other Materials	Total	Materials	Other Materials	Total
	tonnes			tons		
1959	18 329	807	19 136	20,204	890	21,094
1960	19 602	777	20 379	21,607	857	22,464
1961	26 022	1 130	27 152	28,684	1,246	29,930
1962	30 004	1 802	31 806	33,073	1,986	35,059
1963	41 376	1 376	42 752	45,608	1,517	47,125
1964	51 918	2 377	54 295	57,229	2,620	59,849
1965	65 104	2 420	67 525	71,764	2,668	74,432
1966	135 560	3 590	139 150	149,427	3,957	153,384
1967	160 425	3 902	164 327	176,835	4,301	181,136
1968	216 233	3 547	219 775	238,352	3,910	242,262
1969	124 874	3 888	128 763	137,648	4,286	141,934
1970	116 632	3 706	120 338	128,563	4,085	132,648
1971	172 860	4 354	177 213	190,542	4,799	195,341
1972	189 251	7 255	196 506	208,610	7,997	216,607
1973	271 469	6 125	277 593	299,238	6,751	305,989
1974	317 689	8 553	326 242	350,192	9,428	359,620
1975	340 129	4 521	344 650	374,928	4,983	379,911
1976	363 771	5 587	369 358	400,989	6,159	407,148
1977	360 072	7 037	367 109	396,908	7,757	404,665
1978	451 158	4 650	455 808	497,317	5,126	502,443
1979	538 900	4 800	543 700	594,029	5,291	599,320
1980	545 900	2 200	548 100	601,746	2,425	604,171
1981	513 000	4 000	517 000	565,480	4,409	569,889
1982	517 800	3 500	521 300	570,600	3,900	574,500
1983	502 600	1 400	504 000	554,070	1 500	555,570
1984	583 200	5 500	588 700	642,800	6,100	648,900
1985	656 800	5 000	661 800	724,100	5,500	729,600
1986	670 800	2 600	673 400	739,500	2,900	742,400

FARM FINANCES

TABLE 110 **Farm Input Price Indices**
Western Canada (1981 = 100), 1973-1986

Year	Bldg. and Fencing	Machinery Replacement	Machinery Operation	Crop Production	Animal Production	Supplies and Services	Hired Farm Labour	Total Farm Inputs
1973	47.5	43.2	39.7	35.7	57.9	44.0	42.6	41.6
1974	55.3	48.4	44.6	57.1	61.6	48.6	50.9	48.3
1975	59.8	56.2	52.0	70.6	61.1	54.8	60.5	54.5
1976	66.4	59.8	57.8	68.4	61.9	60.3	69.8	58.2
1977	71.6	64.2	62.2	65.5	61.6	64.7	77.5	59.7
1978	78.3	70.7	65.3	67.8	79.5	69.4	82.3	67.5
1979	87.4	79.9	70.5	74.9	100.7	76.3	87.2	79.1
1980	91.7	89.9	81.9	93.5	99.3	83.3	93.5	87.0
1981	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1982	106.8	106.3	112.8	98.2	99.7	109.2	106.3	103.4
1983	115.4	110.9	118.0	95.6	100.6	114.4	110.1	103.6
1984	114.2	113.5	122.2	98.7	102.3	120.0	114.7	106.6
1985	115.7	111.2	125.8	101.1	101.8	122.4	118.4	108.0
1986	123.2	113.5	119.2	102.1	108.7	122.6	121.6	108.8

Farm Input Price Index

This index measures the impact of price changes on the cost of a constant base-year basket of capital material and service inputs. Items included are weighted according to relative importance and grouped according to farm use. The groups in the above table consist of the following sub groups or items.

Building and Fencing - includes building replacement and repairs (materials and labour) and fencing construction and repairs.

Machinery Replacement - (1) includes tractors, combines, ploughs, disc harrows, grain drills, manure spreaders, balers, automobiles and trucks.

Machinery and Motor Vehicle Operation - (1) includes petroleum products, maintenance, licence and motor vehicle insurance.

Crop Production - (2) includes grain legume and grass seed, fertilizer, pesticides and twine.

Animal Production - (2) includes feeder livestock - cattle, hogs, chick and turkey poults feed - prepared and grain feed; and artificial insemination.

Supplies and Services - includes small tools, electricity, telephone and custom work.

Hired Labour - includes hourly, daily and monthly rates.

(1) Farm share only.
(2) Aggregations of only a partial list of inputs identifiable to the respective types of farming and should not be construed as production cost indices.

TABLE 111 Farm Product Price Indices (1981 = 100), 1981-1986

	1981	1982	1983	1984	1985	1986
Total Index	**100.0**	**96.3**	**94.6**	**101.9**	**94.3**	**85.0**
Total Crops	**100.0**	**91.5**	**90.5**	**98.6**	**89.3**	**69.5**
Cereals	100.0	89.1	87.5	91.7	83.5	65.0
Oilseeds	100.0	98.8	101.7	124.6	108.1	78.3
All Other Crops[1]	100.0	99.9	95.1	109.1	105.0	95.6
Total Livestock & Products	**100.0**	**104.4**	**101.4**	**107.5**	**102.8**	**111.5**
Cattle and Calves	100.0	96.3	99.1	106.9	101.8	106.9
Hogs	100.0	119.5	101.3	103.9	97.3	123.3
Poultry	100.0	100.7	100.3	111.5	104.8	103.2
Eggs	100.0	97.1	97.5	105.8	103.1	100.1
Dairy	100.0	108.6	110.6	116.0	115.3	118.8
Other Livestock & Products[2]	100.0	102.2	99.5	94.7	87.4	82.8

[1] Includes fruits, vegetables (including potatoes), sugar beets and sunflowerseeds.
[2] Includes lamb, honey and fur.

The Farm Product Price Index (FPPI), formerly called Index Numbers of Farm Prices of Agricultural Products, gives a measure of the change over time in the prices received by farmers for agricultural commodities at the first point of sale.

The Index is based on products accounting for about 95 per cent of total farm cash receipts.

The price information used in compiling the index comes from a monthly survey of farm correspondents (Statistics Canada), administrative data. Bonuses and premiums are included in the prices but storage, transportation costs, processing and handling charges are excluded.

Correspondents report the average prices prevailing in an area after grades are considered.

The average prices would vary due to price and/or quality changes. In effect, the Index does not measure pure price change but only the change in revenue to farmers per unit of product marketed. Adjustments for seasonal variation in prices are not made.

TABLE 112 **Manitoba Farm Cash Income, 1952-1986**

Year	Crop Sales	Livestock Sales	Other Sources	Total
		- thousand dollars -		
1952	152,255	87,135	4,495	243,885
1953	130,172	84,299	4,667	219,138
1954	93,497	88,917	5,901	188,315
1955	79,121	87,825	11,423	178,369
1956	114,421	88,360	8,264	211,045
1957	97,046	94,782	6,304	198,132
1958	100,752	115,667	14,384	230,803
1959	112,999	109,284	8,245	230,528
1960	113,719	103,086	16,032	232,837
1961	114,253	119,657	8,851	242,761
1962	136,379	109,213	17,125	262,717
1963	147,707	116,270	7,771	271,748
1964	170,778	122,823	7,929	301,530
1965	184,173	149,892	8,548	342,613
1966	200,084	168,704	9,091	377,879
1967	193,198	172,997	8,607	374,802
1968	187,754	170,703	6,406	364,863
1969	168,823	175,081	7,162	351,066
1970	128,703	201,087	11,637	341,427
1971	165,596	193,326	10,661	369,583
1972	235,561	237,785	18,834	492,180
1973	285,653	327,613	18,119	631,385
1974	486,070	335,523	8,939	830,532
1975	572,231	350,536	19,836	942,603
1976	504,787	356,367	31,275	892,429
1977	491,271	379,087	23,266	893,624
1978	621,181	499,187	21,614	1,140,982
1979	754,137	562,649	10,086	1,326,872
1980	865,645	595,328	19,551	1,480,524
1981	1,001,554	605,965	50,770	1,658,289
1982	1,022,484	660,070	21,155	1,703,709
1983	1,122,338	613,634	33,952	1,769,924
1984	1,231,192	682,856	39,370	1,953,418
1985	1,253,389	715,752	36,790	2,005,931
1986	1,283,439	762,965	27,155	2,073,559

TABLE 113 Manitoba Farm Cash Income From Crop Sales, 1952-1986

Year	Wheat	Oats	Barley	Flaxseed	Canola (Rapeseed)	Other Crops	Total Crops
				- thousand dollars -			
1952	72,289	15,656	43,449	11,578		9,283	152,255
1953	63,175	13,143	36,981	8,003		8,870	130,172
1954	36,149	10,330	29,396	7,557		10,065	93,497
1955	29,975	6,331	24,266	10,394		8,155	79,121
1956	50,534	11,641	23,594	16,611		12,041	114,421
1957	46,184	10,354	14,425	11,143		14,940	97,046
1958	58,122	7,649	16,156	7,952		10,873	100,752
1959	66,990	6,548	18,724	11,113		9,624	112,999
1960	66,349	6,378	15,108	12,189		13,695	113,719
1961	81,410	5,522	10,367	12,603		4,351	114,253
1962	77,416	10,129	11,395	20,654		16,785	136,379
1963	91,003	12,478	9,362	16,707		18,157	147,707
1964	99,832	12,423	10,059	29,323		19,141	170,778
1965	110,968	11,593	12,172	25,320		24,120	184,173
1966	114,363	14,457	13,936	33,996		23,332	200,084
1967	120,418	12,171	15,830	20,655		24,124	193,198
1968	109,486	11,292	17,127	15,192		34,657	187,754
1969	72,057	12,886	13,268	25,685		44,927	168,823
1970	72,317	6,347	21,472	17,613		10,954	128,703
1971	77,144	7,747	31,961	14,710		34,034	165,596
1972	113,272	11,553	45,302	12,988		52,446	235,561
1973	120,963	15,684	69,946	38,535		40,525	285,653
1974	225,296	14,649	100,889	61,350		83,886	486,070
1975	287,418	28,879	99,019	38,140		118,775	572,231
1976	243,162	23,883	80,402	39,881		117,459	504,787
1977	182,534	22,151	70,867	42,100		173,619	491,271
1978	234,189	15,681	99,334	54,594		217,383	621,181
1979	281,267	6,200	102,939	77,247		286,484	754,137
1980	388,019	4,854	93,564	92,919		286,289	865,645
1981	473,516	6,973	147,752	74,343	75,337	223,633	1,001,554
1982	512,010	7,211	161,038	67,409	99,509	175,307	1,022,484
1983	582,919	8,464	160,290	107,918	120,997	141,314	1,121,902
1984	618,065	8,406	134,887	96,942	138,996	231,119	1,228,415
1985	517,559	7,695	153,634	122,413	138,236	302,710	1,242,247
1986	534,996	9,144	146,020	82,533	132,457	378,289	1,283,439

TABLE 114 Manitoba Farm Cash Income From Livestock Sales, 1952-1986

Year	Cattle & Calves	Hogs	Sheep & Lambs	Dairy & Supplementary Payments	Poultry & Eggs	Total Livestock
			- thousand dollars -			
1952	30,531	19,052	515	19,997	17,040	87,135
1953	28,452	14,755	443	21,379	19,270	84,299
1954	30,046	16,441	411	21,874	20,145	88,917
1955	28,153	16,405	454	22,806	20,007	87,825
1956	35,105	15,717	449	22,834	20,677	94,782
1958	46,556	20,501	484	25,040	23,086	115,667
1959	39,920	23,185	461	24,144	21,574	109,284
1960	40,298	17,884	466	23,868	20,570	103,086
1961	51,535	22,356	527	24,084	21,155	119,657
1962	44,074	20,628	445	24,096	19,970	109,213
1963	48,095	19,440	523	23,984	24,228	116,270
1964	51,026	23,582	544	23,699	23,972	122,823
1965	71,573	27,415	462	24,209	26,233	149,892
1966	78,326	35,084	346	24,484	30,464	168,704
1967	80,557	37,280	325	27,390	27,445	172,997
1968	76,234	36,074	244	28,388	29,763	170,703
1969	68,167	44,324	255	27,592	34,743	175,081
1970	81,239	58,021	213	27,247	34,367	201,087
1971	85,593	51,211	362	27,642	28,518	193,326
1972	105,548	66,293	362	32,096	33,486	237,785
1973	132,136	104,071	402	36,909	54,095	327,613
1974	131,791	94,758	497	52,246	56,231	335,523
1975	152,366	87,866	390	60,273	49,641	350,536
1976	155,618	79,877	383	61,829	58,769	356,367
1977	178,756	78,230	432	63,711	57,535	379,087
1978	260,375	105,026	657	67,705	59,492	498,187
1979	297,132	115,682	694	73,176	68,586	562,649
1980	308,756	117,432	860	85,606	75,391	595,328
1981	274,903	138,722	1,227	96,938	86,165	605,965
1982	287,429	169,360	1,321	106,036	86,607	660,070
1983	253,864	155,201	1,507	108,734	87,218	613,634
1984	276,706	185,662	1,552	116,172	95,984	682,778
1985	300,737	194,512	2,084	113,305	97,182	716,177
1986	294,363	242,513	2,044	117,410	97,187	762,965

TABLE 115 Manitoba Farm Cash and Overhead Expenses, 1952-1986

Year	Machinery Operation	Dep. Bldgs. & Mach.	Interest on Debt	Rent & Taxes	Hired Labour	Feed & Seed Bought Comm.	Fert.	Other	Total Value
				- thousand dollars -					
1952.....	37,457	29,794	5,657	19,040	12,243	9,261	2,684	10,275	126,411
1953.....	39,064	32,499	5,953	15,715	11,926	8,234	3,377	10,749	127,517
1954.....	37,342	33,181	6,061	13,416	11,136	9,374	2,386	10,757	123,653
1955.....	39,251	31,983	6,472	14,467	10,256	10,119	1,526	10,928	125,002
1956.....	41,176	31,249	6,412	16,759	11,058	11,055	1,571	11,797	131,077
1957.....	41,682	31,986	6,373	15,379	11,523	10,594	1,666	11,569	130,772
1958.....	41,396	32,397	6,662	16,862	11,930	12,324	1,584	12,849	136,004
1959.....	43,585	32,644	7,228	17,536	12,024	12,904	2,120	14,100	142,141
1960.....	46,518	33,692	7,790	19,166	12,108	13,611	2,213	15,200	150,298
1961.....	46,028	33,971	8,833	18,882	12,571	14,420	3,494	14,940	153,139
1962.....	47,540	34,777	10,109	21,110	12,338	21,753	3,237	17,074	167,938
1963.....	47,953	36,971	11,635	22,290	11,507	17,930	4,558	19,467	172,311
1964.....	49,613	40,289	14,119	22,339	11,530	19,514	5,925	21,931	185,260
1965.....	49,989	44,160	15,942	23,434	14,281	19,724	7,564	24,628	199,722
1966.....	51,551	48,150	17,948	23,829	14,341	24,487	15,302	27,966	223,574
1967.....	53,438	52,593	20,205	24,749	15,565	32,100	18,521	31,160	248,331
1968.....	54,919	55,967	23,593	25,961	15,964	28,058	24,772	33,104	262,338
1969.....	56,353	56,245	27,315	25,241	15,881	28,373	13,050	30,188	252,646
1970.....	57,573	55,633	22,173	24,938	15,943	29,359	10,906	30,543	247,068
1971	60,949	53,478	22,275	27,272	16,228	33,102	15,780	45,052	274,136
1972.....	65,567	55,190	31,487	25,253	16,891	39,154	18,903	54,726	307,171
1973	76,247	60,089	28,210	35,301	18,925	55,705	26,708	64,960	366,145
1974.....	96,805	77,967	38,512	40,800	22,921	76,773	36,732	82,115	472,625
1975.....	105,862	104,760	43,997	50,074	26,900	79,722	59,390	98,024	568,729
1976.....	116,982	129,358	57,735	54,549	28,174	83,510	65,274	123,722	659,304
1977.....	129,142	144,682	63,062	62,715	31,050	84,556	73,516	146,418	735,141
1978.....	147,582	164,248	81,506	75,758	35,121	88,146	101,402	161,076	854,839
1979.....	162,145	191,918	118,584	92,548	41,255	116,498	133,540	199,682	1,056,170
1980.....	180,539	222,211	147,996	104,338	47,215	158,401	145,361	220,596	1,226,657
1981.....	246,184	249,706	210,582	103,385	63,176	158,356	162,959	255,297	1,449,645
1982.....	269,860	267,342	187,575	118,398	71,993	161,179	167,540	259,353	1,503,240
1983.....	286,439	276,870	163,092	121,876	68,005	166,135	188,069	270,255	1,540,741
1984.....	290,813	276,941	167,241	129,148	75,745	186,358	211,073	279,483	1,616,802
1985.....	290,069	261,637	160,585	129,463	78,554	175,863	218,748	331,704	1,646,623
1986.....	270,343	269,889	155,863	128,429	87,580	154,920	202,779	318,123	1,587,926

TABLE 116 **Manitoba Farm Income Summary, 1952-1986**

Year	Total Cash Receipts	Income in Kind	Realized Gross Income	Operating & Dep. Cost	Realized Net Income	Value of Inventory Change	Total Net Income
				- million dollars -			
1952	244	17	261	126	135	23	158
1953	219	15	235	128	107	2	109
1954	188	14	202	124	79	-12	66
1955	178	13	191	125	66	18	84
1956	211	13	224	131	93	32	124
1957	198	13	211	131	81	-12	68
1958	231	14	245	136	109	16	124
1959	231	13	243	142	101	-4	97
1960	233	12	245	150	94	8	103
1961	243	12	255	153	102	-57	45
1962	263	11	274	168	106	53	159
1963	272	11	283	172	110	-4	107
1964	302	10	312	185	127	29	156
1965	343	11	354	200	154	10	164
1966	378	10	388	224	165	-27	137
1967	375	10	385	248	136	16	152
1968	365	10	375	262	112	51	163
1969	351	10	362	253	109	9	118
1970	341	10	351	247	104	-15	89
1971	370	9	378	274	104	48	152
1972	492	10	502	307	195	-26	169
1973	631	12	644	366	278	93	371
1974	831	12	842	473	370	-50	319
1975	943	11	954	569	385	12	397
1976	892	14	906	659	247	35	282
1977	894	13	907	735	172	117	289
1978	1,141	15	1,156	855	301	49	350
1979	1,327	17	1,344	1,056	288	-42	246
1980	1,474	21	1,501	1,227	274	-228	46
1981	1,658	22	1,680	1,450	230	190	420
1982	1,703	20	1,723	1,503	220	80	300
1983	1,770	20	1,790	1,541	249	-166	83
1984	1,948	19	1,970	1,617	353	14	368
1985	1,991	17	2,012	1,647	365	292	657
1986	2,068	18	2,091	1,588	503	-38	466

TABLE 117 Total Net Income Per Farm, Manitoba, 1952-1986

Year	Farms	Total Net Income (Production Minus Cost) - dollars per farm -	Cash (Sales)
1952	52,000	3,042	4,690
1953	51,250	2,128	4,276
1954	50,500	1,312	3,729
1955	49,750	1,693	3,585
1956	49,201	2,525	4,290
1957	47,900	1,423	4,136
1958	46,700	2,660	4,942
1959	45,600	2,134	5,055
1960	44,400	2,317	5,244
1961	43,306	1,035	5,606
1962	42,600	3,022	6,167
1963	41,900	2,543	6,486
1964	41,200	3,780	7,319
1965	40,500	4,053	8,460
1966	39,747	3,459	9,507
1967	38,700	3,934	9,685
1968	37,700	4,319	9,678
1969	36,700	3,210	9,566
1970	35,800	2,480	9,537
1971	34,981	4,350	10,565
1972	34,400	4,902	14,308
1973	33,825	10,957	18,666
1974	33,250	9,605	24,978
1975	32,675	12,144	28,847
1976	32,104	8,795	27,798
1977	31,600	9,145	28,279
1978	31,000	11,304	36,806
1979	30,500	8,052	43,504
1980	30,000	1,543	49,351
1981	29,442	14,207	56,346
1981	29,300	9,162	57,063
1983	29,000	1,889	59,340
1984	29,000	11,188	67,122
1985	28,700	23,057	70,479
1986	27,336	17,031	75,644

TABLE 118 Price Index of Farm Products (1981 = 100)

1981	100.0
1982	96.3
1983	94.6
1984	101.9
1985	94.4
1986	85.1

TABLE 119A **Monthly Precipitation in Manitoba, 1961-1986 — Metric**

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
							— millimetres —						
1961	3	42	14	43	10	3	84	4	58	25	4	31	321
1962	22	40	30	17	132	54	155	173	16	18	55	11	723
1963	7	29	18	90	66	87	54	53	16	20	15	27	482
1964	17	5	50	54	34	119	22	71	35	6	16	31	460
1965	6	14	14	65	91	60	80	34	65	14	44	38	525
1966	9	10	41	47	38	36	86	105	18	22	26	21	459
1967	21	9	17	73	28	50	111	57	23	45	15	21	470
1968	21	5	13	32	99	83	144	143	59	40	4	9	652
1969	48	9	10	25	77	105	101	57	61	27	9	19	548
1970	23	15	27	65	87	50	70	75	112	27	27	23	601
1971	11	4	44	60	47	76	115	17	50	72	22	6	524
1972	16	10	20	13	29	50	60	103	61	25	10	25	422
1973	3	6	14	21	103	88	123	66	82	37	40	19	602
1974	39	11	15	59	156	18	32	110	46	5	6	13	510
1975	46	16	19	45	48	120	58	133	42	38	13	17	595
1976	30	23	23	32	10	183	37	59	10	2	1	18	428
1977	12	21	10	5	178	88	85	90	148	30	29	19	715
1978	10	8	11	23	123	51	61	18	83	10	43	21	462
1979	9	20	45	73	93	65	23	76	25	16	15	11	471
1980	34	17	13	0	8	45	24	110	86	33	25	11	406
1981	23	3	15	13	48	90	39	104	72	60	6	7	480
1982	26	8	36	13	23	54	107	59	58	62	6	32	484
1983	13	15	66	6	29	139	30	85	53	22	16	6	480
1984	12	8	12	47	30	228	38	21	62	99	27	22	606
1985	11	13	7	16	64	67	34	218	29	29	44	14	546
1986	9.6	12.9	16.9	98.3	25.2	59.2	118.0	17.0	47.5	11.6	48.4	6.4	471
Average													
1961 - 1986	18.5	14.4	23.1	39.8	64.5	79.5	72.7	79.2	54.5	30.6	21.8	18.4	517

TABLE 1198 **Monthly Precipitation in Manitoba, 1961-1986 — Imperial**

	Jan.	Feb.	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
							— inches —						
1961	0.11	1.64	0.53	1.70	0.39	0.13	3.29	0.16	2.30	1.00	0.17	1.21	12.63
1962	0.87	1.57	1.19	0.67	5.21	2.11	6.11	6.83	0.62	0.73	2.15	0.42	28.48
1963	0.26	1.16	0.73	3.56	2.59	3.43	2.12	2.09	0.63	0.79	0.58	1.05	18.99
1964	0.66	0.20	1.98	2.14	1.34	4.69	0.88	2.80	1.36	0.23	0.62	1.20	16.10
1965	0.22	0.55	0.53	2.55	3.60	2.37	3.15	1.36	2.55	0.57	1.74	1.51	20.70
1966	0.37	0.41	1.61	1.85	1.50	1.41	3.36	4.14	0.71	0.85	1.03	0.83	18.09
1967	0.81	0.37	0.69	2.86	1.11	1.98	4.37	2.25	0.89	1.78	0.58	0.83	18.52
1968	0.84	0.19	0.52	1.27	3.90	3.26	5.66	5.63	2.31	1.59	0.15	0.35	25.67
1969	1.87	0.34	0.39	1.00	3.02	4.13	3.99	2.25	2.40	1.07	0.37	0.74	21.57
1970	0.90	0.59	1.08	2.57	3.41	1.99	2.74	2.95	4.41	1.05	1.05	0.92	23.66
1971	0.42	0.18	1.72	2.37	1.85	2.99	4.53	0.67	1.96	2.84	0.88	0.23	20.64
1972	0.63	0.41	0.79	0.51	1.14	1.98	2.37	4.06	2.41	0.97	0.41	1.00	16.68
1973	0.10	0.25	0.54	0.83	4.06	3.47	4.84	2.58	3.23	1.46	1.58	0.75	23.69
1974	1.54	0.44	0.60	2.31	6.14	0.70	1.26	4.32	1.81	0.21	0.22	0.51	20.06
1975	1.80	0.61	0.74	1.80	1.86	4.73	2.29	5.22	1.64	1.50	0.51	0.67	23.37
1976	1.17	0.91	0.91	1.24	0.41	7.19	1.45	2.32	0.39	0.10	0.03	0.72	16.84
1977	0.49	0.82	0.39	0.20	7.0	3.48	3.36	3.53	5.83	1.19	1.12	0.74	28.15
1978	0.40	0.30	0.45	0.90	4.83	2.03	2.38	0.73	3.25	0.40	1.68	0.82	18.17
1979	0.35	0.79	1.78	2.89	3.67	2.56	0.91	3.00	0.98	0.61	0.58	0.44	18.56
1980	1.34	0.69	0.52	0	0.31	1.77	0.93	4.32	3.37	1.30	0.98	0.43	15.96
1981	0.91	0.13	0.57	0.50	1.87	3.56	1.54	4.08	2.85	2.35	0.23	0.29	18.88
1982	1.01	0.31	1.41	0.52	0.92	2.13	4.21	2.32	2.29	2.44	0.22	1.25	19.03
1983	0.50	0.59	2.58	0.25	1.15	5.48	1.17	3.35	2.08	0.85	0.64	0.22	18.86
1984	0.48	0.31	0.46	1.85	1.17	8.97	1.51	0.85	2.44	3.90	1.05	0.88	23.87
1985	0.44	0.53	0.28	0.63	2.52	2.64	1.34	8.58	1.14	1.14	1.73	0.55	21.50
1986	0.38	0.51	0.67	3.87	0.99	2.33	4.65	0.67	1.87	0.46	1.91	0.25	18.56
Average 1961 - 1986	0.73	0.57	0.91	1.57	2.54	3.13	2.86	3.12	2.14	1.21	0.85	0.72	20.35

TABLE 120 **Selected Seasonal Data for Manitoba, 1952-1986**

Year	Assiniboine River Entirely Clear of Ice at Winnipeg	Date Wheat Seeding Became General	Wheat Harvest Begun Generally	Ground Frozen So as to Stop General Field Work
1952	April 18	April 19	Aug. 8	Nov. 24
1953	April 15	May 5	Aug. 15	Nov. 21
1954	April 18	May 18	Aug. 16	Nov. 25
1955	April 11	May 20	Aug. 5	Nov. 2
1956	April 26	May 14	Aug. 15	Nov. 10
1957	April 19	May 4	Aug. 15	Nov. 15
1958	April 10	April 22	Aug. 20	Nov. 17
1959	April 15	April 23	Aug. 13	Nov. 3
1960	April 16	May 21	Aug. 19	Nov. 7
1961	April 21	May 15	Aug. 14	Nov. 5
1962	April 26	June 5	Sept. 3	Nov. 15
1963	April 12	June 1	Aug. 10	Nov. 20
1964	April 22	May 18	Aug. 17	Nov. 10
1965	April 16	May 26	Aug. 27	Nov. 7
1966	April 13	May 25	Aug. 23	Nov. 4
1967	April 23	May 20	Aug. 19	Nov. 21
1968	April 12	May 22	Aug. 27	Nov. 7
1969	April 19	May 21	Aug. 26	Nov. 11
1970	April 25	June 2	Aug. 25	Nov. 16
1971	April 19	May 18	Aug. 26	Oct. 30
1972	April 20	May 15	Aug. 29	Oct. 27
1973	April 5	May 10	Aug. 23	Oct. 30
1974	April 20	June 4	Sept. 10	Nov. 18
1975	April 18	May 16	Aug. 21	Nov. 20
1976	April 11	May 11	Aug. 14	Dec. 2
1977	April 12	May 10	Aug. 12	Nov. 22
1978	April 17	May 14	Aug. 31	Nov. 9
1979	April 25	June 7	Sept. 10	Nov. 22
1980	April 2	May 1	Aug. 26	Nov. 26
1981	April 2	May 2	Aug. 25	Nov. 28
1982	April 21	May 10	Aug. 30	Nov. 16
1983	April 7	May 11	Aug. 12	Nov. 17
1984	April 10	May 7	Aug. 9	Nov. 18
1985	April 4	May 5	Aug. 12	Nov. 19
1986	April 7	May 25	Aug. 26	Nov. 6

SOURCES AND METHODS

Preparation of this Yearbook was similar to that used since the series began in 1963. A large percentage of the material presented for the current year is based on preliminary estimates derived from sample data. Revisions of estimates made in previous Yearbooks are included in this report.

The regular statistics program of Manitoba Agriculture is the major source of material for the Yearbook. This involves close cooperation with Statistics Canada and coordination of information from many sources, including Agriculture Canada, other government and private agencies and business firms dealing in farm products and supplies. Farmers contributed through livestock and crop reporting, as did field and other staff members of Manitoba Agriculture. Basic data from Statistics Canada were derived from mail surveys in cooperation with Manitoba Agriculture. Survey samples vary from one percent to ten percent of farmers, depending on the type of information required.

Regional data for crop districts in the Yearbook can be supplemented by more detailed data for municipalities from the 1981 Census of Agriculture. The Census also provides some information on features of agriculture not covered in this Yearbook. Census division and crop district boundaries were changed in 1976 and Statistics Canada's estimates of crop production using the new boundaries were first made in 1977. Thus, small area estimates since 1977 are not comparable with earlier data.

Some figures may not add up due to rounding.

Crops

Total Value of Production. This includes all crops grown on farms in the current year for sale, feed, seed and home consumption at prevailing market prices during the crop year. Disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. With few exceptions, production value for each crop represents value to the producer.

Prices. Prices used to calculate production value for most crops are those farmers receive at the shipping point. This is regarded as farm value because freight, handling and other marketing charges are deducted. Transport costs incurred by farmers in delivering grain to elevators are included with farm expenses. Average prices for all crops are estimated final prices, based on Manitoba Agriculture market outlook work. As a result, production value is more comparable with previous years, since initial payments would grossly underestimate crop value. Prices are subject to revision after all relevant sales and payments have been made. Small revisions will be necessary in current prices of crops when more information on sales and payments is available.

Areas. Major crops areas are estimated by Statistics Canada in cooperation with Manitoba Agriculture. Minor crops, such as sugar beets, sunflowers and mustard seed, are estimated through contacts with dealers, processors and Department field staff. Estimates, in most cases, are for seeded area while yields are reported on the land devoted to a crop at seeding time. Oats and barley are on a harvested area basis. The November estimate (Statistics Canada 22-002) contains latest area and yield estimates, with a few exceptions as noted.

Yields. Major crop yields are derived from Statistics Canada surveys, integrated with the Manitoba crop reporting program. Minor crops are estimated mainly through the latter and revised as market data require. In some cases, yield multiplied by area may not exactly equal production, due to the rounding of one or more of the three items.

Wheat. Quality data on protein content are obtained from the Canadian Grain Commission. Distribution by grade is based on Wheat Board Special Questionnaire No. 1, November, when elevator agents estimate the amounts of deliverable grain in each grade. Initial payments to producers are reported by the Wheat Board. Thunder Bay selling prices are recorded by the Canadian Grain Commission. Prices listed are rounded to the nearest cent while marketing data are provided by the Canadian Grain Commission. Such data are also published by Statistics Canada in Coarse Grains Quarterly and Wheat Review.

Oats and Barley. Distribution by grades and initial payments have the same sources as wheat. Since private firms, in addition to the Wheat Board, sell these grains, Lakehead selling prices are Winnipeg Commodity Exchange cash quotations. Final prices are more closely represented than the Wheat Board selling price alone. Marketing data are from the same sources as wheat.

Flaxseed, Canola (Rapeseed) and Other Crops. These were treated, for the most part, similarly to the above. Regional data were not always available but verbal description was used when possible. Sugar beets are on a harvested area basis. Values are at the factory level, obtained from the Manitoba Sugar Company, except for the current crop which is estimated. Deduction of freight would not allow the remaining figure to properly indicate the actual sugar beet price, as it would vary considerably depending on the farm location. Forage seed data are from Plant Products Division, Agriculture Canada and the forage specialist, Manitoba Agriculture.

Horticultural Crops. Included are vegetables, potatoes, fruit and ornamentals. The commercial vegetable area and prices are estimated jointly by Statistics Canada and Manitoba Agriculture. An estimate of minor crops, such as peppers, eggplants, vine and specialty crops, is included in the value of vegetable production. Value of noncommercial vegetables represents the value of home-grown vegetables in the province. The processing potato area was obtained from the processors.

Different levels of prices were used with respect to processing, fresh market and farm-consumed potatoes to arrive at the total value. Other horticultural values, including fruit and ornamentals, are derived also in consultation with the provincial horticulturists.

In addition to the major crops listed, production of field beans, fababeans, canary grass seed and lentils also took place.

Sugar beet production value estimates for the current year are based on the per unit value of product sold to date and does not include a final payment to be made when the entire crop has been sold.

Livestock

Production value of cattle and hogs includes inventory change. A gain in numbers on farms is a part of production but a decline during the year is a loss in production. Inventory figures are from Statistics Canada surveys. Animals in the category "local slaughterngs" are those farmers kill and eat, kill and sell, or sell locally for slaughter and consumption. These animals, as well as commercial marketings, are a part of production. Inshipments are those animals (1) returned to farms for further feeding after being marketed from other Manitoba farms or (2) brought in from other provinces, usually Saskatchewan. To avoid double counting in the value of production, inshipments are deducted. Commercial marketing include direct exports to other provinces and the United States, of animals which do not go through the stockyards but are of Manitoba origin.

Total values of all classes of livestock marketed were estimated from Agriculture Canada's publication "Canada Livestock and Meat Trade Report". From these figures the dollar value per animal, less marketing costs, is calculated and applied to animals produced.

Market and Quality. Data for cattle and hogs are obtained principally from Agriculture Canada's publication "Canada Livestock and Meat Trade Report". Prices are from the same Department and pertain to Stockyard sales, upon which the value of all marketings is based. Calves are defined, generally, as under one year of age or 249 kilograms (550 pounds).

Sheep. Sources are the same as those for cattle and hogs. Production calculation is based on marketings only, due to the small number involved. Wool sources are from Statistics Canada's publications 23-203, 23-204 and 23-205.

Dairy. Production figures are obtained from Statistics Canada, primarily publication 23-001. Production values and itemization were supplied by the Agricultural Divison of Statistics Canada. The supplementary payments were not allocated to the different classes of milk but were added in the total value of dairy production.

Poultry. Inventory figures are from the same source as other livestock. Monthly prices are the average of recorded weekly prices from Agriculture Canada. Production values for eggs were obtained from Statistics Canada, publication 23-003. The value of hatching eggs was estimated by Manitoba Agriculture. Statistics on Manitoba egg quota allocation and inventory are obtained from the Tenth Annual Producers Conference Report, Canadian Egg Marketing Agency.

Broiler production was calculated on the basis of registered marketings. Roasting chickens were calculated according to placements as indicated by Agriculture Canada's Hatchery Outlook publication and allowing for a ten percent mortality figure. Broiler turkeys are listed equal to registered marketings of turkeys, 4.5359 kilograms and under (ten pounds and under), and roasting birds are estimated according to marketings and other information. Ducks are listed according to marketings plus an on-farm allowance. Geese are shown according to marketings, exports and Agriculture Canada survey data. Poultry meat prices are calculated per bird according to average weights and information on recorded prices by Agriculture Canada.

Other Products

Honey. Production estimates are made cooperatively by Statistics Canada and Manitoba Agriculture.

Fur. Data are obtained from Statistics Canada's publication 23-207. They cover only production from fur farms.

Forest. Products are those listed as sales in Statistics Canada farm income estimates.

Resources

Most resource information for Census years are from Statistics Canada, Census Division. Annual summerfallow estimates since 1976 were made cooperatively by Statistics Canada and Manitoba Agriculture.

Farm Numbers. These are taken from the Census according to the current definition of a farm. In 1966 and 1971, a farm was defined as an agricultural holding of 0.40469 hectares (one acre) or more with sales during the previous twelve months of $50.00 or more. Previous definitions were less restrictive. The 1981 Census definition is an agricultural holding with sales of agricultural products during the past twelve months of $250.00 or more. Farm estimates for intervening years are unofficial estimates by Manitoba Agriculture.

Labour Force. Statistics are from the Labour Census, Statistics Canada 94-921 and the 1981 Census of Agriculture 96-908. Wage rates in August come from Statistics Canada.

Cash and Overhead Expenses. These data are taken from Farm Operating Expenses and Depreciation Charges published in Statistics Canada's Farm Net Income publication 21-202.

Machinery. Sales data are from the Canadian Farm and Industrial Equipment Insititute.

Fertilizer. Sales data are from the Western Canada Fertilizer Association.

Herbicide. Data are obtained from annual Manitoba Agriculture surveys in contact with wholesalers and manufactuers.

Price Index of Purchases by Farmers. These data come from Statistics Canada's publication 62-002, rounded to the nearest whole number. The indices were revised to 1971 and the base year changed from 1961 to 1971.

Land Values

Data were obtained from the records of land sales in Manitoba collected by the Manitoba Agricultural Lands Protection Board.

Income

Cash and net farm income data on a provincial basis are obtained from Statistics Canada publications. Statistics Canada's publication 21-202 (latest available issue) is the source for total cash income. The main source for farm cash details is Statistics Canada's publication 21-001 (latest available issue).

Calculations on a per farm basis are made by Manitoba Agriculture and may not reflect exact averages. Census farms, as a basis, are not the only contributors to total sales. Small units, not called farms, do sell produce but sales are almost negligible. Per farm figures are rounded to the nearest $100.00. The price index of farm products is obtained from Statistics Canada's publication 62-003, rounded to the nearest whole number and approximated for the current year. Current year indices are subject to under-representation since they are based on initial prices for grains.

Agriculture in Perspective

Description in relation to Canada makes use of data with the same sources as similar material throughout the Yearbook for Manitoba.

Weather Data

These are obtained on a regular basis for the Manitoba Agriculture Reporting Program from the Weather Officer, Atmospheric Environment Service, Department of Environment, Room 1000, 266 Graham Avenue, Winnipeg, Manitoba.

Metric Conversion Factors

1 acre = 0.40469 hectares
1 pound = 0.45359 kilograms
1 ounce = 28.35 grams
1 Imperial ton = 0.907185 tonnes
1 Imperial bushel = 0.036368 cubic metres
1 Imperial gallon = 4.546 litres
1 Imperial fluid ounce = 28.413 millilitres
1 foot = 0.3048 metres
1 inch = 2.54 centimetres
°C (Celsius) = 5/9 (° Fahrenheit - 32)